Construction News

RAILWAYS—STEAM AND ELECTRIC

Proposed Work

Connecticut—Plans prepared for Hartford, Meriden & New Britain Ry. for line from Meriden to Hartford via Kensington, New Britain and Newington, 20 miles. Louis Fiske, Branford, Pres.

New York—Champlain & Sanford R.R. Co. secured right-of-way for line from Sanford Lake, N. Y., to Ft. Ticonderoga, about 60 miles.

New York—Otsego & Herkimer R.R., Cooperstown, N. Y., contemplates improving its line. Estimated cost, $250,000. S. W. Mower, Cooperstown, Second Vice-Pres. and Gen. Mgr.

New Jersey—New Jersey & Pennsylvania Traction Co. contemplates double-tracking line on West Hanover St. from Greens Pl. to Calhoun St. Gaylord Thompson, Trenton, N. J., Vice-Pres. and Gen. Mgr.

Pennsylvania—New York Central & Hudson River R.R. plans to build branch from Keating to Avis. G. W. Kittredge, Grand Central Terminal, New York, N. Y., Ch. Engr.

Pennsylvania—Rights-of-way obtained for third rail electric railway system throughout central Pennsylvania. Road will connect Scranton, Kingston, Mocanaqua, Shickshinny, Berwick, Bloomsburg, Danville, Northumberland, Sunbury, Harrisburg, Sunbury Shamokin, Mt. Carmel, Tamaqua and Hazleton. J. F. Richards, Sunbury, interested.

Pennsylvania—Hershey Transit Co., Hershey, will extend line to Hamburg. J. B. Lightheiser, Hershey, Gen. Mgr., H. N. Herr, Ch. Engr.

Virginia—Contract will soon be awarded for line from West Point to Urbana, 17 miles, for Richmond, Rappahannock & Northern Railway Co., Richmond, Va. C. L. Ruffin, 514 American National Bank Bldg., Richmond, Ch. Engr. Noted Sept. 30.

West Virginia—Virginian Ry. contemplates extending line from Bluefield, W. Va., to Shelby Junction, Ky., to connect with Chesapeake & Ohio R.R., 63 miles.

Georgia—Southern Ry. will build approaches for its line to new union passenger station in Macon. Estimated cost, $100,000. B. Herman, Washington, D. C., Ch. Engr.

Florida—Right-of-way secured for municipal railroad from new dock to connect with main line of Florida East Coast Ry. Charles D. Boise, New York, N. Y., Pur. Agt. Noted Aug. 19.

Florida—Gulf Coast Ry., recently incorporated, will build line from Venice southeast to Placida, 22 miles.

Alabama—Louisville-Nashville R.R. contemplates building three-mile spur from Altoona to Walnut Grove. W. H. Courtenay, Louisville, Ky., Ch. Engr.

Alabama—Pensacola, Mobile & New Orleans R.R. will extend line from Daphne to Mobile Bay and Pinto Island, 17 miles. H. McLaughlin, Pensacola, Fla., Pres.

Ohio—Baltimore & Ohio R.R. contemplates extending Findlay, Ft. Wayne & Western Ry. from Findlay to Tiffin. F. L. Stuart, Baltimore, Md., Ch. Engr.

Michigan—Boyne City, Gaylord & Alpena R.R. contemplates extending line from point east of Atlanta, Mich., towards Alpena, nine miles. M. D. Gates, Boyne, Mich., Ch. Engr.

Illinois—It is reported that construction will be started in spring for proposed electric railway to connect Marion, Johnson City and Herrin with Benton and Harrisburg. W. H. Schott, 1813 Harris Trust Bldg., Chicago, Ill., interested.

Kansas—Chicago, Rock Island & Pacific Ry. contemplates double-tracking line in spring from Topeka to McFarland, 38 miles. A. E. Swat, Topeka, Kan., Gen. Mgr., Second District.

Kansas—Greensburg, Coldwater & Northwestern R.R. Co., recently incorporated, contemplates building 210-mile railway from Coldwater across state of Kansas to Almena on Nebraska line. P. Z. Wardall, Greensburg, Kan., interested.

Oklahoma—Project under way for building interurban railway from Bartlesville to connect Nowata and Pawhuska. George C. Priestly, Bartlesville, interested.

Colorado—Colorado, Wyoming & Eastern Ry. had surveys made for line from existing line at North Gate, Colo., southwest to Hayden, 90 miles. J. M. Herbert, Laramie, Wyo., Pres.

Utah—Salt Lake & Utah R.R. plans to extend electric line from Provo to Olmstead via Pleasant View. W. R. Armstrong, Salt Lake City, Gen. Mgr. and Ch. Engr.

Washington—Surveys made and right-of-way secured for railroad 12 miles, with eight miles of branches and spur tracks for Cascade Lumber Co., North Yakima.

Washington—Chicago, Milwaukee & St. Paul Ry. Co. has had surveys for extension to line from Metaline to Northport, 30 miles.

Oregon—Central R.R. of Oregon plans to build line from Union, Ore., to Walla Walla, Wash., 77 miles, and branch line from Union to Medical Springs, 22 miles. G. E. Dunklee, Union, Ore., Gen. Mgr.

Oregon—Surveys completed for eight-mile extension of railroad into Siletz Basin for Falls City Lumber Co., Falls City, Ore.

Oregon—J. L. Soule asked Council for franchise to build and operate electric railway in Baker. Commercial Club, Baker, interested.

California—Pacific Gas and Electric Co. contemplates extending East Lawn line through Elmhurst to State Fair Grounds. John H. Hunt, San Francisco, Pur. Agt.

California—Patterson & Western Ry. Co. secured right-of-way for railway from Patterson to Mt. Hamilton, about 25 miles. H. G. Ginica, Pres. Noted Oct. 14.

Nova Scotia—Surveys made for extension of line of Cape Breton Ry. Co. from St. Peters northeast to Sydney, 60 miles. G. E. Johnson, St. Peters, N. S., Secy. and Gen. Mgr.

New Brunswick—Kent Northern Ry. plans to build line from Kent Junction southwest to Chipman, about 50 miles. Surveys being made. W. B. Cronk, Richibucto, N. B., Vice-Pres.

Ontario—Council of Toronto authorized Toronto Civic Railway to build Bloor St. Line from Dundas St. to Quebec Ave. Estimated cost, $125,000.

Alaska—Peabody-Alaska Copper Co. plans to build tramway near Valdez, about 15 miles. Estimated cost, $10,000 per mile. C. L. Peabody, Pres.

Bids In and Contracts Awarded

Tennessee—Nashville & Eastern Railway, Nashville, awarded contract for line from Lebanon to Smithville, 35 miles, to MYERS CONSTRUCTION CO., Chicago, Ill. C. T. Edwards, Nashville, interested. Noted Sept. 2.

Kentucky—Contract for building north end of Cumberland & Manchester R.R. running from Barbourville to Manchester, Ky., awarded to E. G. and W. T. GARRARD.

Missouri—Mexico & Santa Fé R.R., Mexico, awarded contract to MEXICO INVESTMENT AND CONSTRUCTION CO. for electric railway from connection with Chicago & Alton R.R. at Mexico to point in Monroe County, 16 miles northeast.

LIGHT, HEAT AND POWER

Proposed Work

Maine, Biddeford—Pepperell Manufacturing Co. will build a new power plant to furnish power and light in its cotton mills.

Maine, Skowhegan—Central Maine Power Co. plans to extend its lines to Malbon Mills and Athens.

Maine, Turner—Turner Light and Power Co. has been granted permission to extend its transmission lines to Buckfield and furnish electric service.

N. Y., Delevan—Plans being considered for installation of municipal-electric light plant.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids will be received by E. S. W. Elwood, Secy. of State Hospital Commission, Capitol, Albany, until 2:30 p.m., Dec. 2, for heating work, power plant, heating system and equipment at Manhattan State Hospital, Wards Island, New York. (See adv.).

N. Y., New York—(Borough of Manhattan)—(Official)—Bids will be received by John A. Kingsbury, Comr., Dept. of Pub. Charities, 10th Floor, Municipal Bldg., until 10:30 a.m., Dec. 2, for furnishing labor and materials required for constructing and installing new steam supply and return lines between power house and main building of city hospital district, Blackwell's Island.

N. Y., New York—(Borough of Richmond)—(Official)—Bids will be received by Calvin D. Van Name, Borough Pres., Borough Hall, St. George, New Brighton, until noon, Nov. 30, for furnishing, delivering and installing complete with all appurtenances two steam drums for Babcock & Wilcox boiler at West New Brighton destructor.

N. Y., Oswego—Niagara, Lockport & Ontario Power Co., Buffalo, has been granted permission by Public Service Commission to build transmission line across West River Rd. in Oswego, to furnish energy to Syracuse, Lake Shore & Northern line of Empire United Railways.

N. J., Keyport—Plans being prepared for new substation at Stone Church to replace portable one now in use for Jersey Central Traction Co. New station will supply energy to Highlands and adjacent towns.

N. J., Woodbridge—Port Reading R.R. granted franchise for new power line along Turtle Brook Rd.

Penn., New Brighton—Borough Council considering plans for installation of municipal electric-light plant. Estimated cost, $57,175.

W. Va., Fenwick—City Council considering installation of electric-light plant.

W. Va., Pennsboro—Pennsboro Ice and Water Co., recently incorporated, plans to install electric-light plant. Estimated cost, $25,000.

Ga., Metter—Election will be held in December to vote on $7,500 bonds for electric-light plant.

Ga., Waycross—Plans being considered by O. L. Dittmar and B. G. Appleby, of Michigan for gas plant and distributing system. Estimated cost, $150,000.

Fla., Ft. Pierce—Ordinance passed by City Council authorizing $25,000 bond issue for improving municipal electric-light system.

Fla., Lakeland—See item under "Water Works."

Miss., McComb—McComb & Magnolia Railway and Light Co. contemplates building power plant. H. W. Bell, Laurel-Engr.

Ky., Providence—Citizens voted $20,000 bonds for municipal electric-light plant.

Ohio, Perrysville—Bids will be received by L. W. Truman, Clk., until noon, Dec. 27, for purchase of $6,000 bonds. Proceeds will be used for improving electric-light plant.

Ill., Chicago—Morris & Co., will build a three-story boiler house on Ashland Ave. Estimated cost, $31,000.

Ill., Peoria—Central Illinois Light Co. has been granted franchise by Public Utilities Commission to erect transmission line between Maquon and Yates City, Knox County.

Wis., Lowell—Lowell Light and Power Co. has had plans prepared for installation of electric-light plant. Estimated cost, $10,000.

Wis., Merrimack—A. M. Farnsworth has been granted franchise to install electric-light plant.

Minn., Plummer—Plans being considered for installation of municipal electric-light plant.

Minn., Tracy—Franchise has been granted to E. W. Erick to install electric-light plant in Tracy.

Kan., Arkansas City—Election will be held Dec. 14 to vote on $200,000 bonds for gas distribution plant and pipe line to field south west of city.

S. D., Ashton—Spink County Power Co. will install electric-light plant. H. Triplett, Redfield, Engr.-in-charge.

S. D., Winner—Floyd D. Hunt, Chicago, Ill., plans to install electric-light plant in Winner.

Mo., Branson—Citizens contemplate granting a franchise for an electric-light plant to C. C. Bradshaw, Frontenac, Kan.

Mo., Crane—Press reports state that company is being organized to build electric-light plant in Crane.

Tex., Atlanta—Atlanta Electric and Ice Co., will build electric-light and power plant in Atlanta.

Tex., Victoria—Application has been made to City Council by P. J. Sult, Pres. of Columbus Gas Construction Co., Milwaukee, Wis., for franchise to build gas plant.

Okla., Bartlesville—A. J. Discher, at head of company recently organized with capital of $1,500,000, plans to build gas pipe line into Newkirk gas fields.

Okla., Westville—Citizens voted $10,000 bonds for improving electric-light plant. Noted Nov. 18.

Idaho, Arco—Richard W. Ferris applied to Public Utilities Commission for permission to build and operate electric light and power plant in Arco, Blaine County. Estimated cost, $5,000.

Wash., Poulsbo—Franchise granted Poulsbo Light and Power Co. for construction of electric-light plant and to build and maintain transmission lines in Kitsap County.

Wash., Valleyford—Valleyford Water Co. plans to install electric-light system in Valleyford. A. E. Jones, Pres.

Calif., Burbank—Citizens voted $30,000 bonds for electric-light plant and distributing system. Noted Sept. 30.

Calif., Redding—Plans being considered for municipal electric-light plant.

Calif., Riverside—Pacific Power Co. plans for power development on Levining Creek in Mono County. Work will consist of two miles of tunnnel through granite rock, 4,000-ft. of steel pressure line and a 10,000-kw. installation consisting of hydraulic and electric equipment. C. O. Poole, Riverside, Ch. Engr.-in-charge.

Ont., Granton—Town Council will install hydro-electric lighting system. Estimated cost, $5,000. Noted Sept. 16.

Man., Winnipeg—M. Jance and Boomer & Hughes negotiating with city to build gas pipe line to supply city.

Bids In and Contracts Awarded

Ohio, Columbus — (Official) — Contract for heating and plumbing for two-story shop building for Ohio State University awarded to HUFFMAN ANKLIN CO., Columbus, at $17,731.

Ill., Chicago—Bids were received Nov. 13 for (a) heating work, (b) electric work in Chicago Municipal Tuberculosis Hospital as follows: (a) William A. Pope, $17,249, Henley-Casey Mechanical Equipment Co., $17,690, Mehring & Hanson Co., $18,145; (b) Lake City Electric Construction Co., $4,458, United Electrical Construction Co., $7,785, F. E. Newberry Electric Co., $7,940.

Wis., Milwaukee—See item under "Industrial Works."

Wis., Stevens Point—(Official)—Contract for electric wiring of main building and wing the State Normal School awarded to NATWICK ELECTRIC CO., Grand Rapids, at $4,097. Noted Oct. 28.

Kan., Little River—(Official)—Contract for electric-light plant and distributing system awarded to F. D. MARTIN CONSTRUCTION CO., Kansas City, Mo., at $15,163. Noted Nov. 11.

Calif., Riverside—Pacific Power Co. has awarded contract to DUNCANSON & HAROLDSON, San Francisco, for two multiple arch concrete dams in Mono County.

Ont., Exeter—Contract for hydro-electric system awarded to B. BAWDEN, Exeter. Estimated cost, $5,000. Noted July 29.

Ont., Hamilton—Board of Control awarded contracts for equipment for Mt. Hamilton Hospital to ADAM CLARK, $25,000, plumbing and heating; CULLEY & BREAY, $9,010, electrical equipment.

BRIDGES

Proposed Work

Conn., New London—Plans being prepared by engineers of New York, New Haven & Hartford R.R. for bridge over Thames River at New London. Estimated cost, $2,500,000.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids will be received by F. J. H. Kracke, Comr. of Bridges, Municipal Bldg., until 2 p.m., Dec. 9, for constructing Unionport bridge over Westchester Creek.

N. C., Bryson City—See item under "Streets and Roads."

Ga., Savannah—Commissioners of Chatham County will build four steel drawbridges in connection with road from Savannah to Tybee Island.

Fla., Clearwater—Government has granted E. W. Parker, Curry Bldg., and associates, permission to build two-mile bridge from Clearwater to Clearwater Key.

Miss., Holly Springs—Bids will be received by C. H. Wright, Clk. Bd. of County Supervs., until Dec. 6, for four bridges on Red Bank Creek.

Tenn., Carthage—Election will be held Dec. 30 in Smith County to vote on $300,000 bonds for bridges and roads.

Tenn., Clinton—Commissioners of Anderson County will rebuild steel bridge across Clinch River on Clinton-Knoxville Pike.

Ohio, Lorain—(Official)—Bids will be received by F. L. Ellenberger, Clk. of Bd. of County Comrs., until 1 p.m., Dec. 8, for constructing cribbing at Erie Ave. bridge, Black River Township.

Mich., Monroe—Election will soon be held to vote on $60,000 bonds for bridges.

Mich., Ypsilanti—City contemplates viaduct over tracks of Michigan Central Railroad at Miles St.

Ill., Marion—(Official)—Bids will be received at office of County Superintendent of Highways, Marion, until 1:30 p.m., Nov. 30, for bridge in West Marion Township, Williamson County.

Wis., Milwaukee—Plans will be prepared for bridge over Milwaukee River at North Ave. Estimated cost, $240,000.

Neb., Lincoln—Bids will soon be received for steel or concrete bridge across South Platte River. Estimated cost, $30,000.

S. D., Yankton—Citizens voted $300,000 bonds for bridge across Missouri River at Yankton. Noted Oct. 21 and Nov. 4.

Ark., Texarkana—Commissioners of Miller County Bridge and Highway Improvement District No. 1 contemplate bridge across Red River and 60 miles of roads.

Tex., Midland—Plans being considered by Midland & Northwestern Ry. for 400-pile trestle in connection with 65 miles of railway from Midland to Seminole.

Ariz., Avondale—A reinforced-concrete bridge will be built across the Agua Fria River at Avondale. Estimated cost, $20,000.

Que., Windsor Mills—Town Council contemplates construction of steel bridge. Estimated cost, $6,000. D. McCarthy, Mayor.

B. C., Vancouver—Plans being considered by City Council and Vancouver Sewage Commission for constructing Stanley Park Causeway and trunk sewer across coal harbor. Estimated cost, $40,000. F. L. Fellowes, City Engr.

Bids In and Contracts Awarded

Conn., Hartford—(Official)—Bids were received Nov. 15 for reinforced-concrete bridges and widening of causeway in Haddam Township as follows: Donahue Bros., Middletown, $6,217; F. D. Miller, Norwich, $6,707; A. Brazos & Sons, Middletown, $7,053.

Conn., Hartford—(Official)—Bids were received Nov. 15 for concrete bridge on Hartford-Saybrook Turnpike, Chester Township, as follows: J. G. Holbrook, Westbrook, $6,165; A. Brazos & Sons, Middletown, $6,439; Charles A. Sibley, New Haven, $10,073.

N. J., Perth Amboy—Contract for reinforced-concrete slab bridge on Brace Ave., Perth Amboy, awarded to ABRAHAM JELIN, New Brunswick. Noted Sept. 23.

N. J., Plainsboro—Contract for bridge on Trenton Division of Pennsylvania R.R. at Plainsboro awarded to STILLMAN-DELEHANTY-FERRIS CO., Jersey City. Noted Nov. 18.

La., New Orleans—(Official)—Midland Bridge Co., Kansas City, Mo., at $7,350, submitted lowest bid for viaduct at West End Lake Shore Park. Noted Oct. 28.

Tenn., Jefferson City—Contract for steel bridge across Holston River awarded to VIRGINIA BRIDGE AND IRON CO., Roanoke, Va.

Mo., Joplin (Official)—Contract for North Main St. viaduct awarded to HORTON CONSTRUCTION CO., Kansas City, at $18,890. Noted Nov. 11.

Tex., Longview—BLODGETT CONSTRUCTION CO., Kansas City, Mo., at $20,000, awarded contract for steel bridge across Sabine River.

Okla., Oklahoma — Contract for eight concrete bridges awarded to A. E. ALWARD, at $6,101.

Wash., Spokane—POOLE & BEAN, Portland, Ore., at $16,000, awarded contract for steel work on five viaducts.

Calif., Merced—Contract for reinforced-concrete bridge across Santa Rita Slough awarded to ANGLE & BIBBER, Dos Palos, at $4,725. Noted Oct. 21.

Calif., Riverside—HUGH G. PURCELL, at $11,357, awarded contract for bridge and trestle over Santa Ana River.

Calif., Visalia—Contract for three bridges over Cross Creek awarded to PARLIER CONSTRUCTION CO., Tulare, at $8,255.

N. B., Moncton—DOMINION BRIDGE CO., Montreal, Que., at about $125,000, awarded contract for superstructure of bridge over Petitcodiac River at Moncton.

N. S., Cape Breton—JONES, GIROUARD & CO., LTD., Plaza Bldg., Rideau St., Ottawa, Ont., awarded contract by Dominion Department of Railways and Canals for eight bridges on main line of Inter-Colonial Railway, Sydney Sub-division.

WATER WORKS

Proposed Work

N. J., Atlantic City—City will increase and improve water supply.

S. C., Bamberg—See item under "Sewers."

Ga., Metter—City will vote in December on $12,500 bonds for water works.

Fla., Ft. Lauderdale—City will issue $35,000 bonds for water works extensions.

Fla., Lakeland—(Official)—Bids will be received by J. R. B. Boulware, Secy., Bd. of Bond Trustees, until 10 a.m., Dec. 17, for additions to fire, water and electric systems. (See adv.)

Ala., Camden—Election will be held Dec. 6 to vote on $15,000 bonds for water system.

Ala., Citronelle—Bids will be received by City Clerk until Nov. 30 for water system. Bonds for $15,000 voted for this purpose. Noted Oct. 14.

Ala., Florence—Citizens voted bonds for $210,000 for purchase and improvement of property of Florence Water Co. and installation of filtration plant. Noted Oct. 21 and 28.

Ky., Williamsburg—Citizens defeated $25,000 bonds for water system. Noted Oct. 28.

Ohio, Bedford—See item under "Sewers."

Ohio, Glendale—(Official)—At recent election bonds for $8,500 for water system were defeated. Noted Sept. 23.

Mich., Flint—Preliminary plans prepared for addition of a water softening plant at city's water works plant. Estimated cost, $25,000.

Ill., Champaign—Two miles of 14-in. fire main will be laid in business district of Champaign and one mile of 10-in. fire main in downtown district of Urbana by Champaign & Urbana Water Co.

Ill., Kenosha—City contemplates installing filtration plant. Bids will soon be received for same.

Ill., Wheaton—Bids will be received until Dec. 2 by Water Supply Comr. for 200,000-gal. tank. L. J. Ruddock, Engr.

Ill., Wheaton—Citizens voted $35,000 bonds for improving and enlarging water system. Noted Oct. 21 and 28.

Iowa—Ft. Dodge—City voted $100,000 bonds for municipal dam.

N. D., Fargo—City plans an expenditure of about $500,000 for improving water and sewerage systems and for paving.

Mo., St. Louis—Board of Public Service is formulating plans to construct 36-in. c.i. pump main, from Bissell's Point pumping station to Compton Hill reservoir. Estimated cost, $300,000.

Ark., Pocahontas—Plans being prepared for water system and pumping station.

Tex., Goldthwaite—Citizens voted $31,000 bonds for water works.

Tex., Houston—City will expend $12,000 for additions and improvements to water works.

Colo., Castle Rock—City contemplates water system H. G. Johnson, Clk.

Okla., Commerce—Citizens will hold election to vote of $40,000 bonds for construction of sewer system.

Okla., Henryetta—Citizens will vote on Nov. 30, for $100,000 bonds for water works system.

Colo., Firestone—Citizens will hold election soon to vote bond proposition for construction of water works system.

Idaho, Boise—Plans of Wickahoney Land and Water Co., to irrigate 30,000 acres of land, have been approved and work will start at once.

Idaho, Minidoka—City will make application to Public Utilities Commission, Boise, for certificate of convenience for installation of municipal water system.

Idaho, St. Anthony—City Council is considering installation of new water system.

Wash., Seattle—Plans will soon be prepared for building a water system in vicinity of Issaquah.

Wash., Seattle—See item under "Miscellaneous."

Wash., Seattle—Bids will soon be received for a 24-in. water main through siphon tunnel at Third Ave. About $15,000 has been appropriated for this purpose.

Wash., Tyler—Harry E. Elrod, Engr., preparing plans for water works system. Estimated cost, $250,000.

Ore., Falls City—Bids will soon be received for water system.

Ore., Milwaukee—Bid will soon be received by City Council for installation of water distributing plant. J. W. Morris, Cy., Engr.

Ont., Brantford—City Council decided to repair dam. Estimated cost, $4,660.

Ont., Port Dover—City will install water works and gravity system combined with high pressure pumps. James, Loudon and Hertzberg, Consult. Engr.

Bids In and Contracts Awarded

Mass., Boston—(Official)—Contract for building Faneuil Valley Brook conduit, Brighton District, awarded to PETER W. HILL, 97 Proctor St., Boxbury, at $6,271.

Mass., New Bedford—DONALDSON IRON CO., Emaus, Penn., at $27,751, awarded contract for c.-i. pipe and special castings.

N. Y., LeRoy—(Official)—All bids received for 125,000-gal. tank rejected.

N. Y., New York—R. D. WOOD & CO., 400 Chestnut St., Philadelphia, Penn., was lowest bidder for furnishing c.-i. pipe, specials and valve box castings, cast steel castings and valves. Noted Oct. 21.

Ky., Henderson—Contract for filtration plant awarded to FILTER MANUFACTURING CO., Pittsburgh, Penn. Estimated cost, $50,000.

Wis., Manitowoc—Contract awarded to PLATTE IRON WORKS, Dayton, Ohio, for installing 3,000,000-gal. pumping engine in municipal water works plant. Estimated cost, $8,845.

Iowa, Marshalltown—Contract to construct dam awarded to H. J. BENSON, Union, Iowa.

Minn., St. Cloud—Contract for 13,000-ft. of 6-in. c.-i. water pipe awarded to AMERICAN CAST IRON PIPE CO. Noted Nov. 11.

Tex., Galveston—UNITED STATES CAST IRON AND FOUNDRY CO., Chicago, Ill., at $26,440, awarded contract for 3,600-ft. of 30-in. pipe, for undergoing water main across Galveston Bay.

SEWERS

Proposed Work

N. Y., Buffalo—Bonds for $46,000 for trunk sewer have been voted.

Md., Baltimore—Bids will be received until Dec. 1 by Charles England, Chn., Sewage Comn., for lateral sewers in District No. 34-C, Sanitary Contract No. 170 and in District No. 39-A, Sanitary Contract No. 171.

N. C., Charlotte—Plans contemplated for east trunk sewer line. Estimated cost $60,000.

S. C., Bamberg—City contemplates voting on bonds to build sewer system and water works.

Fla., Ft. Lauderdale—City will issue $35,000 bonds for sewer extensions. George W. Hall, City Clk.

Fla., Ft. Myers—Citizens voted $25,000 bonds for improving sewer system.

Fla., Key West—Bids will be received until Jan. 4 by Harold Pinder, Clk. Bd. of Pub. Wks., for sewers from Greene and Duval St. to Front and Caroline St.

Tenn., Park—(Knoxville post office)—Bids will soon be received for constructing sewer laterals.

Ohio, Bedford—Bids will be received by H. T. Hubbell, Clk., until noon, Dec. 22, for sale of $4,164 bonds. Proceeds will be used for sewers and water main.

Ohio, Canal Dover—(Official)—Bids for sewage disposal plant will not be received this year. Noted Nov. 11.

Ohio, Lakewood—City plans new sewer and change in present sewer. Estimated cost, $175,000.

Ohio, Mansfield—Bids will be received until Dec. 1 for sewage-disposal plant. W. J. Hazeltine, City Engr.

Ohio, Youngstown—Plans prepared for concreting basin of Crab Creek from East Madison Ave. to Oak St. Work includes concrete trough 40-ft. wide and 12-ft. deep with two hewers. Estimated cost, $300,000.

Wis., Madison—City Council will be requested to include East Johnson St. from the Yahara River to North St. in storm sewer improvements next year. Estimated cost, $80,000.

Iowa, Emmetsburg—Bids will be received Dec. 6 for sewers in following streets: Seventh from Superior to Call St., thence on Call St. to Sixth St. T. F. Rutledge, City Clk.

Iowa, Lisbon—Contract will soon be awarded for sewer system and sewage disposal plant. Estimated cost, $30,000. Noted Oct. 7.

Iowa, Strawberry Point—Bids will be received about Dec. 21 by J. Schofield, Town Clk., for sewer system and sewage-disposal plant. Estimated cost, $23,000. M. Tschirgi & Sons, Cedar Rapids, Engr.

Minn., Duluth—Sanitary sewer will be built in 61st Alley west from Polk St. to Northern Pacific right of way, in Northern Pacific right of way, to outlet sewer between Main and Nicollet St. W. H. Borgen, City Clk.

Minn., Glencoe—City Council will lay sewer system on Greeley St. from Water to Washington St., thence west on Washington to Sibley St., thence south on Sibley St. to Penn St. Peter Hatz, Clk.

Minn., Lake Crystal—Citizens considering installation of sewers.

Minn., St. Cloud—Commercial Club contemplates storm sewers. Estimated cost, $8,800.

Minn., St. Paul—City plans to build sewers on Chatsworth St. from Otto to Race St., and on Race St. from Chatsworth to Alaska St. Estimated cost, $8,122.

Kan., Cherryvale—Bids will be received until Dec. 16 by M. Hartel, City Clk., for sewers in District No. 2. Noted Oct. 21.

Kan., Erie—Ordinance passed for sewer extensions and connections on Main and Santa Fe St. south to city limits. B. W. Garvin, Mayor.

Neb., Loup City—(Official)—Bond issue of $6,500 for sewer system defeated at election held Nov. 11. Noted Oct. 21.

Neb., Omaha—The Kenwood Fairfax, Fontelle Park and Lincoln Heights Improvement Clubs plan to establish a sanitory sewer district from 43rd and Ohio St. to 36th and Sprague St.

N. D., Fargo—See item under "Water-Works."

Mont., Glendive—City will vote on $70,000 bonds for sewer improvements.

Mont., Manhattan—City plans to install sewer system at an estimated cost of $200,000.

Okla., Shawnee—F. D. Brown, City Engr., preparing plans for about 20 blocks of 6- and 8-in. vitrified sewer pipe.

Okla., Tulsa—Bids will be received by City Auditor until Nov. 29, for sanitary sewer system in Sewer District Nos. 102 and 103. T. C. Hughes, City Engr.

Wash., Seattle—See item under "Miscellaneous."

Ont., Bertie—Township Council will rebuild sewage system in connection with Ft. Erie race track.

B. C., Vancouver—See item under "Bridges."

Bids In and Contracts Awarded

Mass, Boston—Bids were received Nov. 12 for reconstructing Malden River siphon between Everett and Medford as follows: Bay State Dredging Co., 241 Atlantic Ave., $29,110; G. M. Byrne, 166 Devonshire St., $26,000; C. H. Haskins, West Medford, $31,240.

Mass., Boston—Bids were received Nov. 15 for sewer in Canal St. as follows: W. Barrett & Co., Roxbury, $9973; A. Baruffaldi, Somerville, $10,947; J. J. Coughlin & Co., Boston, $14,372. Noted Nov. 11.

Mass., Boston—(West Roxbury)—(Official)—Contract for sewerage works in Woodman, Custer, Ballard, Bardwell, Hathaway, Center and Aldworth St. and Dunster Rd., West Roxbury, awarded to MATRINO DE MATTEO, 146 Dudley Ave., Roslindale. Estimated cost, $15,399. Noted Nov. 11.

N. Y., Albany—Sewage Disposal and Water Co. was low bidder at $71,115 for sewage disposal plant at Mohansic State Hospital.

N. Y., Lackawanna—Contract for South Park sewer awarded to CALDWELL, JOYCE, STARK CO., at $4,300.

N. J., Camden—(Official)—Contract for sewers in Pulaski, Ninth, 29th and 30th St., Sherman and Arthur Ave. and Park Blvd., awarded to KELLY & McFEELY CO., 432 Market St., Camden, N. J. Noted Nov. 11.

Fla., St. Cloud—Contract for sanitary sewer system awarded to WILBUR A. GINN, Sanford, Fla.

Ohio, Cleveland—Contract for excavating and installing drainage system and appurtenances for southerly sewage treatment works awarded to FRED R. JONES CO., Chicago, Ill. Estimated cost, $8,000.

Ohio, Fairport—City Council awarded contract for sewer and water connections in High, Seventh and East St. to CHARLES HUKARI, Ashtabula, Ohio. Estimated cost, $4,000.

Ind., East Chicago—SHEA & CO., 253 Highland St., East Chicago, at $13,595, awarded contract for main sewer in Washington St. Noted Oct. 14.

Ill., Rock Island—Contract for sewer system and sewage disposal plant and septic tank awarded to GEORGE W. WRIGHT. Noted Oct. 21.

Iowa, Burlington—George Peterson submitted lowest bid for building new sewer in Mt. Pleasant St. Noted Nov. 4.

Tex., Kaufman—Contract for sewer system awarded to E. L. DALTON, Dallas, at $19,977. Noted Oct. 14.

Colo., Edgewater—Contract for sewer system awarded to GIBBONS CONSTRUCTION CO., Denver, Colo. Estimated cost, $29,500. Noted Oct. 21.

Wash., Seattle—Contract for sewers in North and West 48th St. awarded to D. PARISI CO., 1506 Atlantic St. Seattle, at $9,551. Noted Sept. 16.

Calif., San Diego—(Official)—Contract for completing Ocean Beach sewer system awarded to DORAN & ARMSTRONG, San Diego, Calif. Noted Oct. 28.

Calif., Stockton—Contract for laying sanitary sewers in Homestead District awarded to WILLIAM E. EDWARDS, Oakland, Calif.

GARGBAGE

Proposed Work

Penn., York—Bids will be received until Dec. 3 for collection and disposal of garbage for a period of five years.

Wis., Green Bay—Common Council considering the installation of municipal garbage-incinerator plant. Estimated cost, $8,500. A. Brauns, City Engr.

Tex., Kingsville—City plans to build an incinerator plant. Estimated cost, $20,000.

STREETS AND ROADS

Proposed Work

Conn., Hartford—Public Utilities Commission and New York, New Haven & Hartford R.R. Co. have agreed to plans which provide for building of steel bridge with concrete abutments and a clearance of 14-ft. over Capitol Ave. extension. Estimated cost, $100,000.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids will be received by Marcus M. Marks, Borough Pres., Room 2032, Municipal Bldg., until 2 p.m., Dec. 3, for constructing concrete sidewalks on west side of Broadway from 73d to 74th St.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids will be received by Marcus M. Marks, Borough Pres., Room 2032, Municipal Bldg., until 2 p.m., Nov. 30, for furnishing and delivering seven trailers and for regulating and repaving 113th St. from west side of Broadway to a point 240 ft. west of west house line.

N. Y., New York—(Borough of Richmond)—(Officials)—Bids will be received by Calvin D. Van Name, Borough Pres., Borough Hall, St. George, New Brighton, until noon, Nov. 30, for regulating and grading Beechwood Ave. from Crescent Ave. to Fifth St.

N. Y., Tuckahoe—Bids will be received by John Matthews, Town Supt. of Highways of Eastchester at office of Town Clerk, Depot Sq., Tuckahoe, until 8 p.m., Dec. 6, for improving California Rd. between Mill Rd. and Highland Ave. and between Highland Ave. and Union Corners.

N. J., Brunswick—Plans will be prepared for section of George's Rd. to Mercer County line.

Penn., Media—Delaware County Commissioners appropriated $10,000 as the County's share of macadamizing Baltimore Pipe from Wawa to Chadd's Ford. Estimated cost of entire road, $100,000.

Penn., Uniontown—(Official)—Bids will be received by Board of Supervisors of Jefferson Township, Fayette County, until noon, Nov. 27, for improving public road beginning at Coal Center Ferry, Newell Village, Jefferson Township, Fayette County, and extending to Redstone Parsonage.

Penn., Wyomissing—City Council contemplates an expenditure of $30,000 for street improvements.

W. Va., Kingwood—Election will be held Dec. 7 in Preston County to vote on $500,000 bonds, half of which will be used for roads in Portland District and half in Kingwood District.

N. C., Danbury—(Official)—Citizens defeated $50,000 bonds for roads. Noted Oct. 21.

N. C., Elizabethtown—Bonds for $25,000 for road construction voted by Bladen County, Bladenboro Township.

N. C., Greensboro—Election will be held Dec. 14 to vote on $50,000 bonds for street improvements.

N. C., Halifax—City will issue $60,000 bonds, proceeds to be used for road construction.

N. C., King—(Official)—Citizens defeated bonds for road construction. Noted Oct. 28.

N. C., Lenoir—Election will be held Jan. 4 in Caldwell County to vote on $90,000 bonds, $50,000 of which will be used for road construction in Lenoir Township and $40,000 for road construction in Lower Creek Township.

Fla., De Land—Citizens defeated $110,000 bonds for roads and bridges in Volusia County Road District. New election will be held. Noted Sept. 30.

Ala., Birmingham—(Official)—Bids will be received by Board of Commissioners until 3 p.m., Nov. 30, for concrete sidewalks on First Ave. from 32d St. to 41st St. Estimated cost, $5,500. J. Kendrick, City Engr.

Ala., Camden—Election will be held Dec. 6 to vote on $4,250 bonds for street improvements.

Ala., Grove Hill—Commissioners of Clarke County plan to build road between Jackson and West End and Jackson Highway.

Ala., Tuscaloosa—Bonds for $4,000 will be issued by City Commissioners for improving 20th St.

Miss., Biloxi—Board of Supervisors of Harrison County contemplates an expenditure of about $200,000 for 22 miles of road from Biloxi to Pass Christian.

Miss., Cleveland—Bond issue of $150,000 for gravel road construction approved by Road District No. 1, Bolivar County.

Tenn., Carthage—See item under "Bridges."

Tenn., Decatur—Meigs County Commissioners rejected all bids for purchase of $100,000 bonds to be used for road construction. Noted Sept. 16.

Tenn., Huntsville—Commissioners of Scott County will issue $300,000 bonds for road improvements. W. H. Potter, County Judge.

Ky., Georgetown—Election will be held in Scott County Jan. 15 to vote on $100,000 bonds for roads. Noted Oct. 7.

Ky., Liberty—Election will be held Dec. 11 to vote on $100,000 bonds for road construction.

Ohio, Columbus—Bids will be received by Clinton Cowen, State Highway Comr., until 2 p.m., Dec. 3, for improving Section E of Cincinnati-Chillicothe Rd. in Hamilton County.

Ohio, Columbus—Bids will be receved by Cintlion Cowen, State Highway Comr., until 2 p.m., Dec. 3, for improving Section F of Cincinnati-West Union Rd. in Hamilton County.

Ohio, Columbus—Bids will be received by Clinton Cowen, State Highway Comr., until 2 p.m., Dec. 3, for improving Section G, Cincinnati-West Union Rd. in Hamilton County.

Ohio, Columbus—Bids will be received by Clinton Cowen, State Highway Comr., until 2 p.m., Dec. 3, for improving Section H of Cincinnati-Louisville Rd. in Hamilton County.

Ohio, Springfield—(Official)—Bids will be received by W. J. Barrett, City Audr., until noon, Dec. 13, for purchase of $7,000 bonds for improving East Hight St.

Ohio, Toledo—Bids will be received until Nov. 30 by County Commissioners for ¾ mile of water-bound macadam road.

Ohio, Youngstown—(Official)—Bids will be received by H. C. Fox, Clk., Dir. of Pub. Ser., until noon, Nov. 30, for paving Lincoln Park Drive between Shehy and Rigby St.

Ind., Anderson—Bids will be received until 10 a.m., Dec. 10, by Commissioners of Madison County, for 12 gravel roads and nine concrete roads.

Mich., Charlotte—Following streets will be paved by order of City Council: Cochran St. to Grand Trunk passenger station with brick; Washington Ave. from Lawrence Ave. to Seminary St. with cement pavement; McClure St. to Michigan Central and Grand Trunk with brick.

Wis., Kenosha—Kenosha County contemplates an expenditure of $65,805 for highway improvements in 1916.

Wis., Rhinelander—County Commissioners plan to issue $200,000 bonds. Proceeds will be used for improving roads in Oneida County.

Wis., Washburn—City plans to pave Main St.

Iowa, Atlantic—Atlantic Commercial Club is promoting the construction of a road from Atlantic to city limits. Estimated cost, $12,000. J. B. Jones and J. D. Goff, Members of Com.

Iowa, Missouri Valley—Citizens plan to pave portion of Third, Fourth, Fifth, Sixth, Seventh, Eighth, Ninth and Ontario St., also several alleys.

Minn., St. Paul—City Council plans an expenditure of $13,333 for paving Grove St. with creosote blocks.

N. D., Fargo—See item under "Water Works."

Mo., Fayette—A road from Fayette to Glasgow along Old Trails Route, about 12 miles, will be constructed by Howard County.

Mo., Lebanon—Commissioners of Laclede County plan to hold election to vote on $250,000 bonds, $200,000 of which will be used for road construction.

Ark., Lake Village—County contemplates 40 miles of macadam or concrete road.

Ark., Texarkana—See item under "Bridges."

Tex., Crystal City—Bonds for $40,000 voted by citizens for road improvements.

Tex., Gilmar—Election will be held Dec. 11 to vote on $75,000 bonds for roads in Upshur County, Justice Precinct No. 7.

Tex., Jacksonville—(Official)—Citizens defeated $150,000 bonds for improving roads in Road District No. 1. Noted Nov. 4.

Okla., Collinsville—Citizens voted $30,000 bonds for road construction. Noted Nov. 11.

Okla., Verdigris—(Official)—Citizens voted $50,000 bonds for road construction. Noted Nov. 11.

Colo., Colorado Springs—County Commissioners appropriated $125,000 for road and bridge work in 1916.

Idaho, Idaho Falls—City Council plans to pave several streets. Estimated cost, $15,000.

Idaho, Jerome—Citizens of Appleton Highway District voted $25,000 bonds for highway construction.

Wash., Seattle—See item under "Miscellaneous."

Ore., Portland—City Council plans to pave East Stark St. from East Water to East First St.

Calif., El Centro—Bids will be received by State Highway Commission, 515 Forum Bldg., San Francisco, until Dec. 6, for 12 miles of concrete highway between Dixieland and El Centro.

Calif., Los Angeles—City Council plans to pave 64th Ave. from city limits to Meridian St.

Calif., Mill Valley—Board of Trustees contemplate an expenditure of $10,000 annually for improving streets for a period of five years.

Bids In and Contracts Awarded

Mass., Boston—(Dorchester)—Bids were received Nov. 16 for asphalt or bitulithic pavement in (A) Mendon Park from Upland Ave. to Bourneside St.; (B) Harwood St. from Williwood to Lucerne St. as follows: (A) D. M. Biggs & Co., Dorchester, asphalt, $5,483, Central Construction Co., Boston, asphalt, $5,528; J. Doherty, Roxbury, asphalt, $5,566, bitulithic, $5,577; (B) J. Doherty, Roxbury, asphalt, $6,221, bitulithic, $6,242; D. M. Biggs & Co., Dorchester, asphalt, $6,302; M. De Matteo, Roslindale, asphalt, $6,334, bitulithic, $6,355. Noted Nov. 11.

Mass., Boston—(Dorchester)—Bids were received Nov. 16 for asphalt or bitulithic pavement in Fernboro St. from Lawrence Ave. to Intervale St. as follows: J. Doherty, Roxbury, asphalt, $4,301, bitulithic, $4,315; M. De Matteo, Roslindale, asphalt, $4,418, bitulithic, $4,433; John Kelly Co., Roxbury, asphalt, $4,334, bitulithic $4,519. Noted Nov. 11.

Mass., Boston—(Grafton, Upton)—Contracts for asphalt and macadam road in Grafton and Upton awarded to PERINI CONSTRUCTION CO., Ashland, at $48,104. Noted Oct. 28.

Mass., Boston—(West Roxbury)—Bids were received Nov. 16 for asphalt or bitulithic pavement in Kittredge St. from Corbell to Beach St. as follows: C. J. Jacobs & Co., Roxbury, asphalt, $4,747, bitulithic, $4,715; M. De Matteo, asphalt, $4,753, bitulithic, $4,868; J. Doherty, Roxbury, asphalt, $4,899, bitulithic, $4,868. Noted Nov. 11.

N. Y., Albany—(Official)—Contracts awarded for constructing roads by State Aid as follows: Road No. 1317, Auburn-Weedsport Cayuga County, 8 miles: BRAYER BROS., Auburn, $123,709; Road No. 5,596, Mayville Village, Erie St., Chautauqua County, 0.79 mile: EDWARD T. BECK & CO., Wareen, Penn., $25,8000; Road No. 1,110, Leroy-Brockport Rd., Part 2, Genesee, County, 0.40 miles: ATLANTA CONSTRUCTION CO., Atlanta, $13,010; Road No. 1,253, Chaumont-Depauville, Jefferson County, 6.05 miles: HENRY BURGARD, Buffalo, $45,249; Road No. 512, Akin-Johnstown, Part 1, Montgomery County, 4.59 miles: ROUTLEY & SUMMERS, Huntington, Quebec, $29,528; Road No. 5,558, Oneida-Verona, Oneida County, 4.69 miles: J. G. HAYES CO., INC., Rome, $36,625; Road No. 5,597, Utica-Poland, Part 3, Oneida County, 5.34 miles: ROUTLEY & SUMMERS, Huntington, Quebec, $51,592; Road No. 1,338, Scotia-Saratoga County Line Part 1, Schenectady County, 4.22 miles. Award held. Noted Oct. 28 and Nov. 18.

N. Y., Buffalo—Contracts for paving various streets awarded as follows: Abbott Rd. and Frontenac and Lyndhurst Ave. to GERMAN ROCK ASPHALT AND CEMENT CO., D. S. Morgan Bldg., Buffalo, at $15,710, $10,990 and $6,315 respectively; Spaulding St. to CONSTANTINE CONSTRUCTION CO., at $6,269; Hubbell Ave., to ERIE CONTRACTING CO., at $6,385; Sprenger St., to SPIRE & PRIOR, at $22,490.

N. Y., New York—(Borough of Queens)—(Official)—Bids were received Nov. 18 for furnishing and delivering to Bureau of Highways 3,000 cu.yd. of broken stone and screenings of trap rock from New York Trap Rock Co., at $2.18 per cu.yd., and Haverstraw Crushed Stone Co., at $2.25 per cu.yd. Noted Nov. 11.

N. J., Stone Harbor—FRANKLIN ENGINEERING CO., Philadelphia, Penn., at $30,086, awarded contract for boardwalk at Stone Harbor.

Penn., Connellsville—J. I. DICK, Scottsdale, at about $15,1000, awarded contract for paving Washington Ave. and East Apple St.

Penn., Greensburg—(Official)—Contracts for road construction awarded as follows: Harrison City Export Rd. to JOHN HERRMANN, Latrobe, at $106,146, and Hecla-Hurst School House Rd. to F. T. BYERS, Mt. Pleasant, at $23,841. Noted Nov. 4.

Del., Wilmington—(Official)—Contract for improving Philadelphia Turnpike awarded to ALFRED H. McDOWELL, Marshallton, Del. Noted Nov. 11.

N. C., Bryson City—Commissioners of Swain County awarded contract for roads and bridges to WRIGHT JOHNSTONE CONTRACTING CO., Bryson City. About $110,000 available for this purpose. A. S. Patterson, Chn. of Comrs.

N. C., Newbern—Commissioners of Craven County awarded contract for 15 miles of road on principal highways leading out of Newbern to McGUIRE CONSTRUCTION CO., Norfolk, Va., and the BARRETT MFG. CO., Philadelphia, Penn., for surfacing with Tarvia B stone chip filler 4½ miles of road.

Fla., Homestead—Contract for Ingraham Highway from Homestead to Cape Sable awarded to J. B. McCRARY CO., Atlanta, Ga., at $93,000.

Fla., Miami—R. B. Fickle, at $9,535, awarded contract for preparing streets for oil pavement and FREEDLING CONSTRUCTION CO., at $7,877, for applying oil.

Fla., Titusville—Contract for 68 miles of road awarded to J. B. McCRARY CO., Atlanta, Ga., at $143,022. Noted Oct. 28.

Ky., Burlington—Contract for six miles of roads awarded to T. J. JUMP, Williamstown.

Ohio, Cincinnati—County Commissioners awarded contract to WESLEY TAULMAN, Hazelwood, at $10,212, for improving Symmestown Rd. from Conrey Rd. west to Lebanon Pike.

Ohio, Euclid—All bids received Nov. 8 by H. S. Dunlop, Village Clk., Town Hall, for improving Chardon Rd. rejected. Noted Oct. 14.

Ohio, Shawnee—Contract for completing paved road between New Straitville and Shawnee awarded to P. J. CONNELL, Cambridge City, Ind., at $38,000.

Ind., Indianapolis—(Official)—Lowest bids received by Board of Public Works for paving South Capitol Ave. from Merrill to McCarthy St. were from County Construction Co., Indianapolis, at $6,550, for asphalt, and A. D. Bowen, Indianapolis, at $6,800, for brick. Noted Oct. 28.

Ind., Indianapolis—Contract for improving 36th St. awarded to JOHN ARNOLD, at $4,100.

Ind., New Albany—(Official)—Contract for road in New Albany Township awarded to GAMES & JONES, Louisville, Ky., at $9,264.

Mich., Pontiac—Bids were received for completing concrete road between Kimble's Corners and Birmingham on Detroit Rd. from J. H. Baker & Sons, Port Huron, at $62,588, and R. D. Baker & Co., Detroit, at $62,090.

Mich., St. Joseph—County Commissioners awarded contracts for road work as follows: Pipestone Rd., Section 1, Niles Township, 15,092 lin.ft.; R. C. ATKINSON, Niles, Mich., $18,280 stone; Pipestone Rd., Sections H and G, Berrien Township, 61,030 lin.ft., CHARLES THOMAS, St. Joseph, $73,560; Three Oaks-Sawyer, Section C, Chikaming Township, 13,514 lin.ft., C. W. BOYES, Grand Rapids, $16,999; Galien-Stevensville, Section F, Galien Township, 15,126 lin.ft., D. L. VARING, Three Oaks, $18,175 for stone; Lake Shore Rd., Section D, Lake and Weesaw Townships, 26,007 lin.ft., FRANK C. TEACH, Crown Point, Ind., $33,500; Lake Shore Rd., Section F, New Buffalo Township, 12,770 lin.ft., B. W. BOYES, Grand Rapids, $17,495; Watervliet South Haven Rd., Section 1, Watervliet Township, 10,441 lin.ft., Paw River, Section G and Territorial Rd., Section F, 37,845 lin.ft., W. W. McCRACKEN, St. Joseph, $53,260; Niles Rd., Sections F, E and D, 50,391 lin.ft., FRED CUNNINGHAM, Martinsville, Ind., $82,725. Noted Oct. 7 and Nov. 4.

Minn., Wayzata—Contract for grading road through Wayzata awarded to McCULLOUGH & CHENEY, at $10,758. Noted Nov. 18.

Kan., Hutchinson—Contract for paving Poplar St. between Ave. A and Sherman St. with brick awarded to STAMEY & MACKEY, at $1.73 per sq.yd.

Kan., Wichita—Contract for eight miles of sand clay road awarded to L. J. GILLETTE, at $5,660. Noted Sept. 9.

Neb., Lincoln—ABEL & ROBERTS, at $12,303, awarded contract for paving several streets in District No. 312.

Mo., Kansas City—Contract for paving one mile of road awarded to NATIONAL PAVING CO., Kansas City, at $14,715.

Mo., Monett—Contract for oiled macadam paving on Fricco Ave. awarded to M. E. GILLOZ, 708 Euclid Ave., Monett, at $6,000.

Mo., Springfield—Contract for paving Boonville St. between Division and Pine St. and for two ft. on either side of rails of Springfield Traction Co. awarded to PLUMMER-ADAMS CO., at about $13,500.

Tex., Floresville—Contract for constructing roads in Precinct No. 4 awarded to BEXAR CONSTRUCTION CO., at $30,000.

Tex., Jourdantown—Contract for road construction in Atascosa County awarded to A. N. DAWSON, San Antonio, at about $100,000.

Tex., Longview—OWENS CONSTRUCTION CO., Vicksburg, Miss., awarded contract by Commissioners of Gregg County for 35 miles of road.

Tex., Stephenville—Contract for improving a number of roads awarded to A. N. DAWSON, San Antonio. Bonds for $120,000 voted for this purpose.

Okla., Muskogee—Contract for constructing gravel roads awarded to WILLIAM HEWETT. About $4,000 available for this purpose.

Ariz., Yuma—Contract for paving approximately 17 miles of highway with warrenite awarded to O. & C. CONSTRUCTION CO., Fullerton, at about $150,000.

Wash., Seattle—ROWAN & ANDERSON, Transportation Bldg., at $11,676, awarded contract for walks on Ferdinand St.

Calif., Lindsay—Contract for paving Hermosa St. awarded to WORSWICK PAVING CO., Fresno. Noted Sept. 23.

Calif., Los Angeles—Contract for improving Western Ave. from Temple St. to Fountain Ave. awarded to GEORGE R. CURTIS, at $49,366.

Que., Montreal—SICILY ASPHALTIC PAVING CO., LTD., 60 St. Viateur St., E., Montreal, awarded contract for paving St. Andre, Panet and St. Lawrence St.

Ont., Brockville—City will lay tarvia pavement on a number of streets by day labor. Estimated cost, $14,000. G. H. Bryson, Engr. Noted Sept. 30.

Ont., Toronto—Contract for asphalt paving on Condor and Empress St. awarded to R. C. HARRIS, Works Comr., at $4,143.

Ont., Toronto—GRANT CONTRACTING CO., at $15,795, awarded contract for brick block pavement on Coxwell Ave., and to COMMISSIONER OF PUBLIC WORKS, at $22,048, for sheet asphalt on portions of Bleecker St., Elmwood and Spring Grove Ave., also a portion of Coxwell Ave.

INDUSTRIAL WORKS

Proposed Work

Mass., Lowell—Wamesit Power Co. will build four-story, 75x85-ft. factory on Crosby St. Estimated cost, $27,000.

Mass., Springfield—Springfield Street Railway has had plans prepared for carhouse and shops on Hooker St. Estimated cost, $175,000.

Conn., Killingly—Plans being prepared for two-story, 152x172-ft. building for Killingly Manufacturing Co.

Conn., New Haven—Plans being prepared by Frank Elwood Brown, Arch., for three-story, 50x135-ft. plant for New Haven Dairy Co.

N. Y., Farmingdale—(Official)—Bids will be received until 2 p.m., Dec. 3, by William Wirth Mills, Secy., Bd. of Trustees, at New York office of Dept. of Agriculture, Room 1224, Woolworth Bldg., for construction work, etc., of garage at New York State School of Agriculture. (See adv.)

N. Y., New York—(Borough of Manhattan)—(Official)—Plans being prepared by Mulliken & Moelier, 103 Park Ave., Arch., for six-story 91.5x100-ft. garage and service station at 67th St. near West End Ave. for Hudson Motor Garage of N. Y., Inc., 1842 Broadway.

N. J., Camden—Plans being prepared by Ballinger & Perrott, Arch., Philadelphia, Penn., for six-story, 91x274-ft. and four-story, 76x233-ft. additions to plant of Victor Talking Machine Co., Front and Market St., Camden.

N. J., Jersey City—Henry Byrne plans to build factory on Mercer St. between Fremont and Factory St. Estimated cost, $13,000.

N. J., Jersey City—Great Atlantic & Pacific Tea Co. contemplates building factory on Warren St. Estimated cost, $110,000.

N. J., Newark—American Gas Accumulation Co., Philadelphia, Penn., will build four buildings at South Newark. Estimated cost, $300,000.

N. J., Perth Amboy—Nelson & Landsberg will build plant. Estimated cost, $20,000.

Penn., Harrisburg—Plans being prepared by C. Harry Kain, Arch., Harrisburg, for five-story cigar factory on State St. for T. J. Dunn & Co., New York, N. Y. Estimated cost, $40,000.

Penn., Kane—Aluminum Co. of America, Pittsburgh, Penn., has taken over French aluminum plant at Kane and will improve same.

Penn., Philadelphia—Supplee Alderney Dairies Co. will build three-story, 100x100-ft. ice cream factory at 3333 Ludlow St. Charles H. Casper, Arch.

Va., Radford—John H. Heald & Co., Lynchburg, Va., purchased site at Radford and will build extract plant. Estimated cost, $150,000.

Va., Richmond—Plans prepared by David L. Davis Co., Chicago, Ill., for five-story cold storage plant for Richmond Cold Storage Co. Estimated cost, $150,000.

W. Va., Weirton—Phillips Sheet and Tinplate Co. will build addition to strip steel plant at Weirton. Estimated cost, $1,000,000. B. M. Weir, Vice-Pres.

N. C., Charlotte—Plans prepared for 125x520-ft. factory for Climax Spinning Co., Belmont. Estimated cost, $125,000.

Ala., Mobile—Benjamin J. Glazier Realty and Engineering Co., Chicago, Ill., contemplates building a ship building and repair plant on Blakeley Island. Estimated cost, $5,000,000.

Tenn., Chattanooga—Ford Motor Co. will build reinforced-concrete garage. Estimated cost, $20,000.

Tenn., Kingsport—New York capitalists through John C. Herden, Engr., have selected site in Kingsport and will build dye plant.

Ky., Augusta—Bids are being received for 172x280-ft. warehouse for Burley Tobacco Society.

Ohio, Carthage—(Cincinnati post office)—Hess Springs and Axle Co. will build 200x200-ft. addition to plant on 66th St. Estimated cost, $60,000.

Ohio, Cleveland—Plans prepared by G. B. Bohn, Arch., 1628 Williamson Bldg., for three-story, 75x120-ft. addition to plant of Federal Knitting Mills Co. at Detroit and West 28th St. Estimated cost, $40,000.

Ohio, Cleveland—Plans prepared by W. C. Ferguson Co., 1900 Euclid Ave., Cleveland, for two-story, 50x200-ft. factory at East 131st St. for Great Lakes Refining Co.

Ohio, Cleveland—J. McGrath will build factory at 7802 Finney Ave. Estimated cost, $15,000.

Ohio, Cleveland—Overland Automobile Co. will build garage and service building at East 66th St. and Euclid Ave. Estimated cost, $75,000.

Ohio, Cleveland—Sheets Bros. Elevator Co., 6529 Broadway, will build 50x200-ft. grain warehouse at East 131st St and Erie R.R.

Ohio, Cleveland—Preliminary plans being prepared by Mills, Rhines, Bellman & Nordhoff, Arch., Ohio Bldg., Toledo, for three-story service station and garage for Willys-Overland Co. Estimated cost, $50,000.

Ohio, Dover—Dover By-Products Coke Co. will build coke plant in yards of Penn Iron and Coal Co.

Ohio, Lima—East Iron and Machine Co. purchased site at Lima and will build factory.

Ohio, New Philadelphia—Contract will be awarded about Dec. 1 for plant for New Philadelphia Paving Block Co. Estimated cost, $130,000. American Clay Machinery Co., Bucyrus, Ohio, Arch.

Ohio, Youngstown—Carnegie Steel Co. will build three additional open-hearth furnaces at Ohio Works. Estimated cost, $800,000.

Ind., Gary—According to press reports, the Indiana Steel Co. will build additions to local plant. Estimated cost, $7,500,000.

Mich., Bay City—Kelton Aurand Manufacturing Co. plans to build 56x240-ft. plant at Bay City.

Ill., Chicago—American Printing Ink Co. will build two-story addition to plant at 401 North Claremont St. Estimated cost, $15,000. S. S. Joy, Arch.

Ill., Chicago—Excelsior Steel Furnace Co. will build plants in Goose Island Section. Estimated cost, $200,000.

Ill., Chicago—General Chemical Co. will build one-story factory at 123rd St. and Carondelet Ave. Estimated cost, $15,000. W. G. Uffende, Arch.

Ill., Chicago—Robert Glendinning will build one-story warehouse at 2204 West 49th St. Estimated cost, $20,000. J. L. Carey, Arch.

Ill., Chicago—Gustav Kurger will build one-story garage at 6321 Broadway. Estimated cost, $17,500. G. T. Dippell, Arch.

Ill., Chicago—Morris & Co. will build two-story distillation plant at 4319 South Ashland Ave. Estimated cost, $32,000. F. A. Fielder, Arch.

Ill., Chicago—Rinzie Co. will build garage at 554 Diversey Blvd. Estimated cost, $35,000. J. Alschlager & Son, Arch.

Ill., Chicago—C. L. Searle, 215 West Ohio St., will build six-story chemical factory. Estimated cost, $80,000. C. Hengela, Arch.

Ill., Chicago—Sure Pure Ice Cream Co., 1800 Cornella Ave., will build one-story addition to factory. Estimated cost, $15,000. J. J. Kocher, Arch.

Ill., Lemont—Aluminum Products Co. will build 54x70-ft. steel factory. Estimated cost, $15,000.

Wis., Manitowoc—(Official)—Bids will be received about Dec. 15 for the general contract for five-story, 55x300-ft. factory for Aluminum Goods Manufacturing Co. Noted Nov. 11.

Wis., Milwaukee—Advance Engineering Co. will build one-story, 150x165-ft. machine shop on 13th St. Estimated cost, $25,000. Herbst & Hufschmidt, Arch.

Wis., Milwaukee—Milwaukee Auto Engine and Supply Co. will build two-story, 125x132-ft. factory on 29th St. Herbst & Hufschmidt, Milwaukee, Arch.

Iowa, Sioux City—Plans being prepared for five-story brick warehouse for William Tackaberry Co., 205 Pearl St. Estimated cost, $150,000. Beuttler & Arnold, Security Bank Bldg., Arch.

Ark., Argenta—McLean Hardwood Lumber Co., Memphis, Tenn., will build reinforced-concrete plant. Estimated cost, $80,000.

Ark., Little Rock—It is reported that the Arkadelphia Milling Co. will build a flour mill. Estimated cost, $250,000.

Tex., Corpus Christi—Corpus Christi Cold Storage Co. contemplates building a plant. Estimated cost, $50,000.

Tex., Dallas—Texas Portland Cement Co. will improve its plant at Dallas.

Tex., Onalaska—According to press reports the West Lumber Co. will rebuild saw mill recently destroyed by fire. Estimated cost, between $150,000 and $200,000.

Tex., Wichita Falls—Press reports state that Panhandle Refining Co. will build 2,000-bbl. refining plant and 4-in. pipe line to Burkburnett oil fields. Estimated cost, $200,000.

Colo., Denver—Denver Union Stock Yards Co. will build new buildings, improve existing buildings and build roofed arena. Estimated cost, $50,000.

Colo., Denver—Plans being prepared by H. A. Merrick, Chicago, Ill., for five-story, 120x120-ft. packing plant for Colorado Packing and Provision Co. Estimated cost, $200,000. Noted Nov. 4.

Colo., Penrose—It is reported that Beaver, Penrose & Northern Railway Co. will build shops and roundhouse. C. G. Whitlock, Engr.-in-charge.

Colo., Pueblo—Bids will be received about Dec. 1 for packing plant for Nuckolls Packing Co. Estimated cost, $250,000. Harvey Nuckolls, Pres. Noted Sept. 30.

Idaho, Nampa—Oregon Short Line R.R. plans to build roundhouse. Estimated cost, $25,000. Carl Stradley, Salt Lake City, Utah, Ch. Engr.

Wash., Seattle—American Nitrogen Products Co. contemplates building plant. Estimated cost, $50,000.

Wash., Tacoma—Oregon-Washington Railroad and Navigation Co. and Glacier Fish Co. will build plant. Estimated cost, $15,000.

Ore., Baker—Oregon Lumber Co. will install four dry kilns. Estimated cost, $15,000.

Calif., Los Angeles—Plans prepared by Albert C. Martin, Arch., Los Angeles, for seven-story, 100x115-ft. addition to furniture factory of Peck & Hills, Alpine and San Fernando St.

Ont., Toronto—Farmers Dairy Co. will build three-story reinforced-concrete building at Walmer Rd. and Bridgman St. Estimated cost, $50,000.

B. C., Alert Bay—British Columbia Packers' Association, Granville St., Vancouver, will build cannery at Alert Bay. Estimated cost, $20,000.

Bids In and Contracts Awarded

Vt., Quechee—Quechee Mills awarded contract to J. H. MENDELL CO., Manchester, N. H., for three-story, 75x98-ft. brick mill. Estimated cost, $25,000.

Mass., Framingham—Contract for preliminary work in connection with construction of factory for London Syndicate awarded to McNALLY BUILDING CO., Gardner.

Mass., Springfield—Willys-Overland Co. awarded contract to FRED T. LEY & CO. for four-story, 75x230-ft. reinforced-concrete garage.

R. I., Pawtucket—George A. Cummings awarded contract to DAVID W. LATMORE for two-story, 49x136-ft. brick laundry on Pawtucket Ave. Estimated cost, $25,000. Noted Oct. 28.

Conn., Meriden—New England Westinghouse Co. awarded contract to H. WALES LINES CO. for two one-story, 80x200-ft. and 80x100-ft. brick and steel factories.

Conn., New Haven—(Fair Haven)—National Folding Box Paper Co. awarded general contract for one-, two- and three-story, 222x350-ft. factory addition to C. W. MURDOCK. Noted Oct. 21.

N. Y., Buffalo—J. P. Devine Co. awarded general contract to JOHN W. COWPER CO., Fidelity Bldg., for two-story, 60x200-ft. addition to factory at Clinton St. and Erie R.R.

N. Y., Elmira—Morrow Manufacturing Co. awarded general contract to COMPTON REAL ESTATE CO. for one-story, 120x740-ft. tannery. Estimated cost, $100,000. Noted Nov. 18.

N. Y., Jamestown—Watson Manufacturing Co. awarded general contract for 60x120-ft. addition to JAMESTOWN CONSTRUCTION CO. Estimated cost, $20,000.

N. Y., Lincoln Park—General Railway Signal Co. awarded general contract to JOHN W. COWPER CO., Buffalo, for one-story, 120x140-ft. addition to plant. Estimated cost, $80,000.

N. Y., New York—(Borough of Brooklyn)—(Official)—American Tobacco Co., 111 Fifth Ave., awarded contract for five-story, 200x300-ft. brick factory at Sanford St. and Nostrand Ave., to WELLS BROS., 366 Fifth Ave. Estimated cost, $750,000. Noted Nov. 4.

N. Y., New York—(Borough of Manhattan)—(Official)—Consolidated Gas Co., 4 Irving Pl., awarded contract to STANDARD CONCRETE STEEL CO., 413 East 31st St., for alterations to storage building at 438 West 18th St. Estimated cost, $20,000. Noted Oct. 28.

N. Y., New York—(Borough of Queens)—(Official)—American Druggists' Syndicate awarded contract to CRAMP & CO., 25 East 26th St., New York, for four-story, 175x175-ft. warehouse and factory at Borden and Van Alst Ave. Estimated cost, $125,000. Noted Sept. 30.

N. Y., Syracuse—Brown, Lipe & Chapin Co. awarded contract to W. J. BURNS CO. for six-story, 75x150-ft. addition at Marcellus, Seneca and West Fayette St. Estimated cost, $100,000.

N. Y., Utica—Utica Motor Car Co. awarded contract to R. RICHARDS & SONS for garage. Estimated cost, $20,000.

N. J., New Brunswick—(Official)—Howe Rubber Co. awarded contract to TURNER CONSTRUCTION CO., 11 Broadway, New York, N. Y., for three-story, 76x250-ft. reinforced-concrete factory at Fulton and Codwise Ave.

N. J., Perth Amboy—(Official)—United Lead Co. awarded contract for 62x62-ft. carpenter shop to TURNER CONSTRUCTION CO., 11 Broadway, New York, N. Y.

Penn., Birdsboro—Birdsboro Steel Foundry and Machine Co. awarded contract for 60x240-ft. building to serve as roll foundry to L. H. FOCHT, Reading, Penn.

Penn., Philadelphia—Julius Gebaur awarded contract for one-story, 100x155-ft. woolen mill on Frankford St. to KIRBY BUILDING CO. Estimated cost, $18,000.

Penn., Philadelphia—Philadelphia Tapestry Mills awarded contract for five-story, 16x234-ft. reinforced-concrete building at Westmoreland and Masther St. to WILLIAM STEELE & SONS CO., Philadelphia, at $120,000. Noted Nov. 11.

Penn., Pottstown—(Official)—Bids have been received for three-story, brick and steel plant for National Rubber Co., Pottstown, Penn. Estimated cost, $100,000. M. N. Schoemaker, 512 Union Bldg., Newark, N. J., Arch.

La., New Orleans—(Official)—Warren Bros. Co., 59 Temple St., Boston, Mass., at $33,800 submitted lowest bid for asphalt plant at municipal repair plant. Noted Oct. 28.

Tenn., Nashville—Contract for reinforced-concrete garage at 1214 Broadway for C. M. Ferriss, Trustee, awarded to FOSTER & CREIGHTON CO. Estimated cost, $16,000.

Tenn., Nashville—Contract awarded to FOSTER & CREIGHTON CO. for reinforced-concrete garage for J. B. Palmer. Estimated cost, $75,000. Noted Nov. 18.

Ohio, Ashtabula—Cleveland Ford Tire Co. awarded contract for two-story, 73x150-ft. plant to E. J. INMAN. Estimated cost, $22,500.

Ohio, Cleveland—Contract for addition to plant of Brown Carriage and Auto Co., East 32nd and Superior St., awarded to SAMUEL AUSTIN & SONS CONSTRUCTION CO., 14230 Euclid Ave., Cleveland. Estimated cost, $10,000.

Ohio, Cleveland—Contract for factory at 2237 Chester Ave. for H. F. Neighbors, to be occupied by Willard Storage Battery Co., awarded to WILLIAM DUNBAR CO., 8209 Cedar Ave., Cleveland. Estimated cost, $15,000.

Ohio, Cleveland—Contract for factory at East 49th and Superior Ave. for Steel Socket Shaft End Co. awarded to GEORGE A. RUTHERFORD CO., 2160 East 18th St., Cleveland.

Ohio, Cleveland—E. T. Tinnerman Realty Co. awarded contract to SLATMYER & SONS CONSTRUCTION CO., 203 Lakeside Ave., Cleveland, for factory at 2868 Detroit Ave. Estimated cost, $25,000.

Ohio, Columbus—(Official)—Contract for two-story shop building for Ohio State University awarded to DAWSON CONSTRUCTION CO., Pittsburgh, at $85,000. Noted Oct. 28.

Ohio, Warren—Trumbull Steel Co. awarded contract for enlarging tinplate and sheet plant to RITER-CONLEY MANUFACTURING CO. Noted Oct. 21.

Ind., Gary—American Sheet and Tin Plate Co. awarded contract for grading and excavating for third unit of plant to A. F. HARTIGAN & CO., East Chicago, Ind. Noted Oct. 21.

Mich., Muskegon—Brunswick-Balke Collender Co. awarded contract to BUCK & MULLEN for three-story, 90x120-ft. addition to plant.

Ill., Chicago—J. J. Badenoch Co. awarded contract to SUMMER SOLLITT CO. for six-story warehouse at 1604 South Robey St. Estimated cost, $30,000.

Ill., Chicago—Contract awarded to UNION CONSTRUCTION CO. for six-story factory at 357 West Erie St. for J. A. Chapman and J. F. Stone. Estimated cost, $40,000.

Ill., Chicago—Contract awarded to J. W. SNYDER CO. for two-story machine shop at 3213 Shields Ave. for McDonald Machine Co. Estimated cost, $40,000.

Wis., Manitowoc—(Official)—Aluminum Goods Manufacturing Co. awarded contract for steel work on five-story factory to WORDEN-ALLEN CO., Milwaukee. Noted Nov. 11.

Wis., Milwaukee—Phoenix Printing Co., Chicago and Jackson St., awarded contract for excavation, mason and concrete work to PAUL RIESENS' SONS CO., electrical work to REUSS & BEYER ELECTRICAL CO. Noted Oct. 14.

Iowa, Cedar Rapids—General contract for one-story brick and stone garage for C. J. Novack, 1035 South Second St., awarded to LOOMIS BROS., Kimball Bldg. Estimated cost, $18,000.

Mo., Hannibal—Waters Pierce Oil Co. awarded general contract to L. M. HAGER for warehouse, tanks and office building, brick work and concrete foundation to G. W. WILLIAMS.

Mo., North Kansas City—General contract awarded to R. F. WILSON & CO., Chicago, Ill., for can factory at 14th and Campbell St. Estimated cost, $200,000.

Mo., St. Louis—Contract for two-story factory at 4200 Laclede St. for Luyties Pharmacy Co. awarded to GAMBLE CONSTRUCTION CO. Estimated cost, $29,000.

Colo., Trinidad—Swift & Co. awarded contract to J. E. TULLEY, 215 West Adams St., Pueblo, Colo., for storage house. Noted Sept. 16.

Calif., San Pedro—Merchants Realty and Investment Co., Van Nuys Bldg., at $117,138 submitted lowest bid for seven-story reinforced-concrete warehouse for Harbor Commissioners.

FEDERAL GOVERNMENT WORK

Proposed Work

Maine, Portland—Buoys—Bids will be received by Light House Inspector, Portland, until 2 p.m., Nov. 29, for furnishing 275 spruce spar buoys.

Conn., Seymour—Post Office—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Dec. 28, for U. S. post office at Seymour.

Penn., Ridgway—Post Office—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Dec. 30, for U. S. post office at Ridgway.

D. C., Washington—Building—Bids will be received at office of Commissioners of District of Columbia, Room 509, District Bldg., until 2 p.m., Nov. 30, for constructing an addition and altering Powell School Building No. 157.

D. C., Washington—Sewer Work—Bids will be received at office of Commissioners of District of Columbia, Room 509, District Bldg., until 2 p.m., Nov. 29, for sewer work in District of Columbia.

Va., Norfolk—Coal—Bids will be received at U. S. Engineer Office, Custom House, until noon, Dec. 20, for furnishing about 3,000 tons of bituminous coal. (See adv.)

Fla., St. Petersburg—Post Office—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Dec. 30, for U. S. post office at St. Petersburg.

Tex., Galveston—Court House—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Dec. 30, for remodeling of U. S. courthouse at Galveston. (See adv.)

Calif., Ft Mason—Building—Bids will be received at Office of Constructing Quartermaster, Ft. Mason, until Nov. 24, for addition to nurses' dormitory, Letterman General Hospital.

Hawaii, Pearl Harbor—Marine Railway—Date for receiving bids for marine railway at naval station extended to Dec. 18. Noted Oct. 21.

Bids In and Contracts Awarded

N. Y., Salamanca—Post Office—Bids were received Nov. 12 for U. S. post office at Salamanca (a) limestone, (b) sandstone, as follows: Durolithic Co., Buffalo, (a) $54,180, (b) $54,600; Westchester Engineering Co., White Plains, (a) $56,756, (b) $58,800; King Lumber Co., Charlottesville, Va., (a) $58,000, (b) $59,000. Noted Oct. 7.

Md., Indian Head—Building—Contract for magazine building at naval proving ground, Indian Head, awarded to J. L. ROBINSON CONSTRUCTION CO., at $7,015. Noted Nov. 4.

D. C., Washington—Engine House—Contract for constructing Engine House No. 28 awarded to JAMES L. MARSHALL, Washington, D. C., at $22,300. Noted Oct. 21.

D. C., Washington—Power Plant —Bids were received Nov. 17 for central heating and power Section A, construction of buildings; B, turbo-alternators, turbo exciters, etc.; C, condensing equipment; D, boilers; E, mechanical stokers; F, pumps; G, piping; H, feed water heaters; I, cables and transformers for power house; J, electric crane; K, coal and ash handling machinery; L, lead covered cables; M, substation, switching gear and wiring; N, substation converters and transformers; O, construction of pipe tunnels; P, pipe connections at substations; Q, changes and alterations, as follows: Section A to Q, George T. Kelley, Yonkers, N. Y., $1,788,000; W. G. Cornell Co., Washington, $1,698,500; P. J. Carlin Construction Co., New York, N. Y., $2,160,000, alterations, $2,090,000; section B. I. M. N., Hanley-Casey Co., $289,000; Westinghouse Electric and Mfg. Co., $282,911; William Dall, $289,000. Noted Sept. 2.

D. C., Washington—Pumping Unit—Contract for one steam turbine driven centrifugal pumping unit awarded to DE LAVAL STEAM TURBINE CO., Trenton, N. J., at $15,633. Noted Sept. 23 and Oct. 21.

D. C., Washington—Sewers—Contract for 18th St. and Connecticut Ave. sewers awarded to WARREN F. BRENIZER CO., Washington; Benning Rd. sewer main to GEORGE HYMAN, Washington. Noted Oct. 21.

W. Va., Huntington—Post Office—Bids were received Sept. 16 for U. S. post office at Huntington as follows: King Lumber Co., Charlottesville, Va., $121,800; Norcross Bros. Co., Worcester, Mass., $123,790; Boyle-Robertson Construction Co., Washington, D. C., $124,975. Noted Oct. 14.

S. C., Charleston—Cranes—Bids were received Nov. 20 for furnishing two jib cranes for shipbuilding ways at Charleston as follows: Heyle & Paterson, Inc., Pittsburgh, Penn., $24,200; McMyler Interstate Co., Bedford, Ohio, $23,490; Terry & Tench, New York, N. Y., $25,230. Noted Oct. 14.

Ohio, Elyria—Post Office—Bids were received Nov. 19 for U. S. post office at Elyria, (a) limestone, (b) sandstone, as follows: John G. Unkefer & Co., Minerva, (a) $75,231, (b) $78,481; Charles W. Gindele & Co., Chicago, Ill., (a) $78,400, (b) $82,400; William H. Fissell & Co., New York, N. Y., (a) $79,800, (b) $81,900. Noted Oct. 14.

Idaho, Boise—Post Office— Bids were received Nov. 18 for addition to U. S. post office at Boise as follows: Welch Bros. & Hannaman, Gridley, Calif., $41,874; R. E. Campbell, Salt Lake City, Utah, $44,687; Frank M. Weakley, Portsmouth, Va., $45,333. Noted Oct. 14.

CANALS, DITCHES AND IRRIGATION

Proposed Work

N. Y., New York—(Borough of Manhattan)—Drainage—State Board of Health estimates cost of draining all swamp land in New York City, 38,500 acres, to exterminate mosquitoes, at $385,000.

Ill., Chicago—Waterway—The waterway project which is planned to connect Chicago with Mississippi River will be under the supervision of the state and not the city as was mentioned in the issue of Nov. 11.

Iowa, Mason City—Ditch—Bids will be received until Dec. 6 by County Auditor for County Ditch No. 29.

Minn., Redwood Falls—Ditch—Contracts for County Ditch No. 27 will be awarded Dec. 1, by County Auditor.

Kan., Topeka—(Official)—Drainage—We have been advised that the surveys which are being made of North Topeka Drainage District are for record in case of flood. No contract contemplated now. Noted Nov. 11.

Neb., Bayard—Irrigation—Bids will be received until 1:30 p.m., Dec. 7, by Catherine Roberts, Secy. Short Line Irrigation District, for purchase of $15,582 bonds for irrigation.

Neb., Tekamah—(Official)—Drainage—Bids will be received until noon, Dec. 18, for three concrete culverts for Burt-Washington drainage district near Tekamah, Towl Engineering Co., 1122 City National Bank Bldg., Omaha, Engr.

Ark., Marion—(Official)—Ditches—Bids will be received until Dec. 10 by Board of Commissioners of Drainage District No. 7, Crittenden County, for 44 miles of ditches requiring about 1,800,000 cu.yd. excavation. Morgan Engineering Co., Memphis, Tenn., Engr.

Tex., Anahuac—Irrigation Improvements—Election will soon be held by Trinity River Irrigation District to vote on $30,000 bonds for repairing bulkhead across Turtle Bay.

Tex., Corpus Christi—Reclamation—Nueces County Commissioners sold $157,000 bonds for reclamation of 80,000 acres. Bids will soon be received.

Tex., Laredo—Irrigation—Max Deutz will install irrigation pumping plant.

Tex., Leon Springs—Irrigation —Leon Springs Irrigation Co. plans to build reservoir and install pumping plant to irrigate 3,017 acres in Leon Springs Valley.

Tex., Marfa—Irrigation — White Elephant Irrigation Co. plans to build water storage reservoir of 5,333,660 cu.ft. and install pumping plant for irrigating 200 acres of land.

Okla., Bartlesville—Ditch—Citizens of Washington County contemplate building drainage ditch along Caney River. Estimated cost, $200,000. A. M. Wheeler, Chn. of Comr.

Colo., Grand Junction—Irrigation—Press Reports state that Redlands Irrigation Co. will extend irrigation system. Estimated cost, $200,000. L. Bartlett, Denver, Mgr.

N. M., Ft. Sumner—Irrigation — M. Fishback and Smith Bros. will build dam for local irrigation project. Estimated cost, $80,000.

Wash., North Yakima—Canal—Selah Maxee Canal Co. will improve 3,000 ft. of its canal. Estimated cost, $10,000.

Wash., Tacoma—Dredging—Oregon-Washington R.R. and Navigation Co. and Glacier Fish Co. will dredge channel in middle waterway. Estimated cost, $125,000.

Ore., Salem—Irrigation—B. Lewis, State Engr., approved application of Wesley B. Sherman, Grants Pass, for irrigation project on Graves Creek to irrigate 20,000 acres. Estimated cost, $1,000,000.

Ore., Salem—Reclamation—Surveys completed by Guy Hart, Drainage Engr. of U. S. Dept. of Agriculture, for reclamation of 75 miles on French Prairie Drainage District from Lake Labish on south to Woodburn and West Woodburn on north. Noted Nov. 4 and 11.

Bids In and Contracts Awarded

N. Y., New York—(Borough of Brooklyn) — (Official) — Dredging—Bids have been received from H. G. Packard Co., 133 Greenwick St., at $0.89 per cu.yd., and Wilfred E. Potter, $0.94½ per cu.yd. for dredging Gowanus Canal from its Head to Hamilton Ave., 6000 cu.yd.

N. Y., New York—(Borough of Manhattan)—(Official)—Dredging — Contract awarded to MORRIS & CUMMINGS DREDGING CO., at $0.12½ per cu.yd., for dredging in Borough of Manhattan under Contract No. 1482. Noted Nov. 18.

Mich., St. Johns—Drainage—Louis S. Green, County Drainage Com., awarded contract to WOOLMAN CONSTRUCTION CO., Sandusky, for Cox Drain in Essex Township.

Ill., Chicago—Drainage—Drainage Board awarded contract to A. GUTHRIE & CO., St. Paul, Minn., at $1,600,000 for two miles of Chicago Drainage Canal. Noted Nov. 11.

Iowa, Clarinda—Ditch — Contract for ditch in Nodaway Drainage District, Taylor County, awarded to O. P. HERRICK. Estimated cost, $15,500.

Iowa, Mason City—Drainage—Contract for drainage project awarded to WALTER H. ANDERSON.

Iowa, Sioux City—Ditch—Contract for Upper Wolf Creek Ditch, 154,000 yd. excavation, awarded to MURPHY & HUPP, Hornick, Iowa, at $0.08½ per cu.yd.

Minn., Marshall—Ditches—County Commissioners awarded contracts for County Ditches No. 17, 18 and 19 to TRACY CEMENT CO., Tracy, $7,100 A. HENRIKSEN, Askov, $16,400, MARSHALL TILE AND SIDEWALK CO., Marshall, $10,254, respectively.

Ark., Knobel — (Official)—Ditch—Northern Construction Co., Elkhart, Ind., submitted lowest bid for 52.75 miles of ditches and 3.25 miles of levees.

Idaho, St. Maries—Drainage—Contract for four-mile dyke from Hell's Gulch to Chatcolet, Idaho, and for reclaiming and draining 1,000 acres awarded to CARSCALLEN BROS., Cœur d'Alena, Idaho. Estimated cost, $17,000.

MISCELLANEOUS

Proposed Work

Maine, Lewiston—Fire Alarm System—City Board of Fire Commissioners contemplates installing automatic fire alarm system.

Mass., Brookhaven—Race Track—Citizens contemplate building racetrack and grandstand. J. S. Kimberlin, Jackson, Miss., interested.

N. Y., New York—(Borough of Manhattan)—(Official)—Frogs and Switches—Bids will be received until 12:15 p.m., Dec. 7, by Public Service Commission of First District for supply of special work, Order No. 6, for use in construction of rapid transit railroads, frogs and switches for Lexington Ave. line.

N. Y., New York—(Borough of Manhattan)—(Official)—Station—Public Service Commission of First District ordered Interborough Rapid Transit Co. to build and maintain new local station on Sixth and Ninth Ave. Elevated lines in neighborhood of 150th St.

N. J., Atlantic City—Speedway—City Commissioners approved projected Absecom-Atlantic City Speedway, four miles long. Estimated cost, $250,000. State will pay $80,000 of cost.

Penn., Philadelphia—Pier Superstructure—Plans and specifications for the proposed McKean St. pier superstructures, bids for which are to be received until noon, Dec. 6, are on file at our New York office. (See adv. in issues of Nov. 11 and 18.)

Fla., Lakeland—Addition to Fire System—See item under "Water-Works."

Tenn., Memphis—Dock—Standard Oil Co. contemplates building dock at West Memphis.

Ohio, Akron—Elimination of Grade Crossing—Plans prepared for elimination of grade crossing at Forst St. City portion of cost, $25,000; railroad's, $75,000.

Ohio, Cleveland—Pier—Bids will be received until noon, Dec. 2, by Commissioner of Purchase and Supplies, City Hall, for repair to pier protections.

Ohio, Cleveland—Subway—City of Cleveland and Cuyahoga County Commissioners plan to build subway from New High Level Bridge to Public Square. Estimated cost, $3,000,000. Noted Aug. 19.

Ohio, Cleveland—Grading Subway—Bids will be received until noon, Dec. 2, by Commissioner of Purchase and Supplies, City Hall, for grading subway at Hamilton Ave. and Pennsylvania R. R.

Ohio, Cleveland—Ore Docks—Erie R.R. Co. will improve ore docks on Cuyahoga River. Estimated cost, $200,000. Robert S. Parsons, Gen. Mgr.

Ohio, Tiffin—Retaining Wall—City Council approved $40,000 bond issue for retaining wall and widening Sandusky River.

Ill., Quincy—River Terminals—City Council and Chamber of Commerce plan to build river terminals. Estimated cost, $100,000.

Mo., Kansas City—Elimination of Grade Crossing—Kansas City Terminal Co. making plans to eliminate grade crossings at Holmer St., Chestnut Ave., Van Brunt Blvd., 15th St., Adams St. and Indiana Ave. Estimated cost, $600,000. H. H. Adams, Pres.

Mo., Kansas City—Speedway—Citizens contemplate building motor speedway. Estimated cost, $500,000. Darius A. Brown, 515 Commerce Bldg., interested.

Mo., St. Louis—Dock—Board of Public Service contemplates building municipal dock at foot of North Market St. Estimated cost, $285,000. Noted Sept. 22.

Mo., St. Louis—Levee—Upper Mississippi Levee and Drainage Association petitioned Congress to appropriate $4,000,000 for completing levee system from Cairo, Ill., to Rock Island, Ill.

Tex., Marshall—Elimination of Grade Crossing—Election will be held Dec. 4 to vote on $50,000 bonds for elimination of grade crossing over tracks of Texas & Pacific Railway. T. E. Hilliard, City Engr.

Utah, Salt Lake City—Bath House—Plans prepared by Niels P. Larsen, Arch., for bath house at Warm Springs. Estimated cost, $250,000. Noted Nov. 18.

Wash., Seattle—Amphitheater—University of Washington contemplates building concrete amphitheater on campus. Estimated cost, $50,000. H. Suzzalo, Pres.

Wash., Seattle—Seawall—Bids will be received until 10 a.m., Dec. 10, by L. B. Young, Chn., Bd. of Pub. Ser., for concrete seawall, reconstructing sewers and water mains, and paving. Estimated cost, $100,000.

Wash., Seattle—Steamer—Port of Seattle Commission concontemplates building ferry steamer for service on Elliott Bay. Estimated cost, $30,000. J. R. West, Ch. Engr.

Wash., Seattle—Tunnel—County Commissioners of King County will build tunnel entrance to new courthouse and city hall. Estimated cost, $15,000.

Ore., Portland—Sprinkler Systems—Bids will be received until 4 p.m., Dec. 2, by R. H. Thomas, School Clk., for installing antomatic sprinkler systems and fireproofing various school buildings.

Calif., San Francisco—Dry Dock—Union Iron Works will remodel foundry, install floating dry dock and extend slip. Estimated cost, $1,000,000. John A. McGregor, Pres.

Calif., Whittier—Mausoleum—Whittier Heights Cemetery Association will build mausoleum. Estimated cost, $50,000. J. J. Frauenfelder, Story Bldg., Los Angeles, Arch.

Ont., Ft. William—Coal Docks—Ft. William Coal Docks Co. will build addition to plant on Mission River. Estimated cost, $200,000.

B. C., Barnet—Oil Tanks and Docks—Shell Oil Co. will build five steel oil tanks and dock. Estimated cost, $50,000 and $7,000, respectively.

Bids In and Contracts Awarded

N. H., North Walpole—(Bellows Falls, Vt., post office)—Coal Pocket—Boston & Maine R.R. awarded contract for coal pocket to H. P. CUMMINGS CONSTRUCTION CO., Ware, Mass.

Mass., Boston—(Official)—Tunnel—Contract for section of tunnel under Dorchester Ave. from West Fourth St. to Old Colony Ave. awarded to COLEMAN BROS., Boston, at $382,364. Noted Nov. 18.

Mass., Winthrop—Seawall—Contract for seawall awarded to W. L. MILLER CO., 171 Alford St., Charleston, at $19,030. Noted Oct. 28 and Nov. 18.

N. Y., New York—(Borough of Bronx)—(Official)—Elevated Lines—Bids were received Nov. 15 for (a) Section 6-d, West Farms Subway; (b) Section 9-B, Webster Ave. line; (c) Section 10-C, Eighth Ave. and 162nd St. connection; (d) totals, as follows: Hyde, McFarlin & Burke, (a) $123,667; (b) $1,014,125, (c) $565,439, (d) $1,703,231; Fred L. Cranford, Inc. (a) $131,312, (b) $950,487, (c) $512,215, (d) $1,594,015; Terry & Tench, Inc., and T. A. Gillespie Co., (a) $129,135, (b) $914,997, (c) $511,931, (d) $1,556,063; Snare & Triest Co., (a) $136,770, (b) $926755, (c) $543,291, (d) $1,606,816; William Bradley, (a) $124,202, (b) $906,035, (c) $498,947, (d) $1,529,184.

N. Y., New York—(Borough of Queens—(Official)—Tracks—Public Service Commission awarded contract for installation of tracks for portion of Steinway Tunnel Rapid Transit R.R. to THOMAS CRIMMONS CONTRACTING CO., at $204,898. Noted Nov. 4 and 18.

N. J., Jersey City—Police Flashlight Signal System—City Commission awarded contract to GAMEWELL FIRE ALARM CO. for police flashlight signal system. Estimated cost, $10,000.

Penn., Philadelphia—Coal Pockets—C. P. Bowers, Reading, at $65,899, and McNichol Paving and Contracting Co., Philadelphia, at $74,360, submitted lowest bids for coal pockets on Emerald St. for Philadelphia & Reading Railway Co. Samuel T. Wagner, Ch. Engr.

Penn., Pittsburgh—(Official)—Underground Comfort Station)—Lowest bid received for underground comfort station at Penn. Ave. and Butler St. was that of H. L. Kreusler, 3301 Penn. Ave., Pittsburgh, at $10,130.

Fla., Jacksonville—Docks—Merchants & Miners Transportation Co. awarded contract to HILLYER & SPEARING CO., Jacksonville, for dock improvements. Estimated cost, $75,000.

Ohio, Columbus—Monument—Contract for soldiers monument awarded to P. E. BONNEL & CO., Cleveland, at $17,500.

Ohio, Portsmouth—Flood Protection Wall—Glandorf & Browning, Cincinnati, at $67,779, submitted lowest bid for second section of flood protection wall. Noted Nov. 11.

Ill., Freeport—Excavation for Lakes—Contract for excavation for three lakes at Taylor's Park awarded to GUND-GRAHAM CO., at $10,220.

Wis., Baraboo—Mausoleum—A. Ringling awarded contract for Ringling family mausoleum in Baraboo Cemetery to S. A. COLLINS CO., Reedsburg, Wis. Estimated cost, $25,000.

Calif., San Francisco—(Official)—Esplanade—Contract for Section A of esplanade and seawall recently awarded to C. E. Lamburth has been rescinded and reawarded to J. D. HANNAH, Monadnock Bldg., San Francisco, at $59,975. Noted Nov. 11.

Calif., San Francisco—Pier Repair—State Board of Harbor Commissioners awarded contract to HEALY-TIBBITTS CONSTRUCTION CO., at $63,616, for repairing Pier No. 9.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works," "Federal Government Work" and "Miscellaneous."

Maine, Augusta—Bids will be received until Dec. 1 by T. G. O'Connell, Arch., 18 Boylston St., Boston, Mass., for church for St. Augustines Congregation. Estimated cost, $80,000.

N. H., Manchester—Bids will be received until Dec. 1 by City Clerk for isolation hospital at Derryfield Park. Estimated cost, $75,000. W. E. Provost, 581 Main St., Arch.

Mass., Boston—Plans being prepared by A. H. Bowditch, 44 Bromfield St., for automobile sales building at 655 Beacon St. for Albert Geiger, Jr., 87 Milk St.

Mass., Boston—Plans prepared by Kendall, Taylor & Co., Arch., 93 Federal St., for five-story school and dormitory for Gordon Bible Institute, 7 Montgomery St. Estimated cost, $60,000.

Mass., Boston—Plans being prepared by S. S. Eisenberg, Arch., 5 Everett Ave., Chelsea, for six-story business block for A. Bevilacquac, 91 Prince St. Estimated cost, $100,000.

Mass., Fall River—All bids received for remodeling City Home rejected. New bids will be received. Estimated cost, $90,000. Noted Nov. 4.

Mass., Norwood—Citizens of Norfolk County voted $75,000 bonds for agricultural school.

Conn., Hartford—Plans prepared for parish house for Christ Episcopal Church as memorial to James J. Goodwin. Estimated cost, $50,000. James Goodwin, Pastor.

Conn., Milford—Election will be held to vote on $150,000 bonds for town hall.

N. Y., Corning—New freight house contemplated by Delaware, Lackawanna & Western R.R. Co. Estimated cost, $55,000.

N. Y., New York—(Borough of Manhattan)—Contract for temple for Mount Neboh Congregational at 159th St., near Broadway will be awarded about Dec. 1. Noted Sept. 30.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids will soon be received for five-story, 40x100-ft. brick and steel studio building at 163 West 57th St., for L. H. Chalif, 7 West 42d St. Estimated cost, $125,000.

N. Y., Rochester—Board of Trustees approved plans for proposed Chamber of Commerce Bldg. at Mortimer and St. Paul St.

N. J., Hackensack—Citizens of Teaneck voted to issue $40,000 bonds for school.

N. J., Jersey City—Contract will soon be awarded for addition to City Hospital. Estimated cost, $350,000. Noted Nov. 18.

N. J., Jersey City—City Commission is considering plans for constructing following schools: Addition to Lincoln High School and School No. 11 new high school in Hudson City District and new school in Greenville section.

N. J., Newark—Board of Freeholders contemplates $300,000 bond issue for additional buildings at Soho Isolation Hospital.

N. J., Newark—Board of Freeholders contemplates eight-story county office building at High St. and Springfield Ave. Estimated cost, $800,000.

N. J., Newark—Council authorized bond issue of $45,000 for building laboratory and morgue at City Hospital.

N. J., Roselle Park—(Elizabeth post office)—(Official)—Contract will soon be awarded for three-story high school. Estimated cost, $60,000.

Penn., Hazleton—(West Hazleton)—Bonds for $140,000 for new schools voted by citizens. Noted Oct. 28.

Penn., Lawrenceville—(Official)—Board of Education plans to build a two-story school. John N. Hotchkiss, Secy.

Penn., Lehighton—School Board contemplates new high school. Estimated cost, $100,000.

Penn., Marcus Hook—City contemplates building school. Estimated cost, $89,000.

Penn., Philadelphia—County Commissioners will expend about $50,000 for enlarging and improving Magdalen Home at 21st and Race St., and $40,000 on old Vaux School at 12th and Wood St.

Penn., Philadelphia—Revised plans prepared for Municipal Art Museum at Green St. entrance to Fairmount Park. Estimated cost, $4,500,000. E. K. Price, Chn. of Museum Com.

Penn., Philadelphia—Plans prepared for four-story, 250x400-ft. loft building at 23rd and Market St. for Kahn & Greenberg.

Penn., Slatington—School Board will award contract in spring for two-story, 95x135-ft. school building. Estimated cost, $60,000.

Penn., South Mountain—Plans being prepared by A. A. Ritcher, Arch., Sixth and Court St., Reading, Penn., for two-story reinforced-concrete building for Asylum for Chronic Insane.

Del., Wilmington—Grand Lodge of Delaware, Independent Order of Odd Fellows, contemplate building home for aged.

Md., Baltimore—Board of Estimates contemplates, issuing $1,500,000 bonds for additional schools.

D. C., Washington—William Corcoran Eustis plans to build a hotel at 15th St. and Pennsylvania Ave. at an estimated cost of several million dollars.

Va., Norfolk—Plans prepared for four-story building for Brambleton Lodge No. 56, Knights of Pythias. Estimated cost, $75,000.

Va., Richmond—State Capitol Building Commission plans new Capitol Building. Estimated cost between $200,000 and $250,000.

W. Va., Charleston—F. L. Whitney and W. S. Mason are negotiating for an estate on which to build a modern theater and concert hall.

W. Va., Wheeling—(Official)—Bids will be received some time next spring for theater and assembly hall for Royal Southern Amusement Co. Estimated cost, $50,000. Noted Nov. 11.

N. C., Asheville—Citizens voted $250,000 bonds for constructing schools. Noted Aug. 26.

N. C., Dobson—Commissioners of Surry County contemplate new courthouse. Estimated cost, $60,000.

N. C., Gastonia—Plans being considered by First National Bank for new building. Estimated cost, $100,000. L. L. Jenkins, Asheville, Pres.

S. C., Greenville—Bids will be received by A. G. Furman, Chn. of Court House Comrs., until Jan. 4, for courthouse. P. T. Mayre, Candler Bldg., Atlanta, Ga. Arch., and H. O. Jones, Skelton Bldg., Greenville, Superv. Arch.

Fla., Titusville—Bids will be received until noon, Dec. 7, by Edward E. Macy, Supt. Pub. Instruction, for school.

Ala., Birmingham—Miller & Martin, Arch., Title Guarantee Bldg., prepared plans for five-story, 100x140-ft. building at Second Ave. and 19th St. for Louis Saks Clothing Co., 1900 First Ave.

Tenn., Knoxville—(Official)—We have been advised that the Board of Commerce does not contemplate building to be known as Tennessee Vocational Reformatory for Girls as stated in our issue of Nov. 11. Noted Nov. 11.

Tenn., Nashville—Plans being prepared by Ludlow & Peabody, Arch., 101 Park Ave., New York, N. Y., to remodel building at Fourth Ave. and Union St. for bank and office building for Fourth and First National Bank. Estimated cost, $125,000.

Ky., Covington—Citizens voted $150,000 bonds for high school. Noted Oct. 14.

Ohio, Akron—Citizens of Richfield Township voted to issue $40,000 bonds for central school.

Ohio, Alliance—Citizens voted $100,000 bonds for improving a number of schools.

Ohio, Ashtabula—Citizens voted $40,000 bonds for schools.

Ohio, Canton—Bids will be received next spring for a two-story addition to Woodland School. Estimated cost, $60,000. W. C. Lane, Clk., Bd. of Education.

Ohio, Cincinnati—Bids will soon be received by E. H. Dornette, Arch., for four-story, 35x80-ft. hospital for German Deaconess Hospital Association. Estimated cost, $40,000. Noted Nov. 18.

Ohio, Cincinnati—A six-story building 40x90-ft. will be erected on Fourth St. west of Elm St. Estimated cost, $40,000.

Ohio, Cleveland—Plans will be prepared by Maurer & Mills, Arch., 1335 Scofield Bldg., for new building for Glenville M. E. Church. Estimated cost, $40,000.

Ohio, Columbus—Bids will be received about Dec. 1 for recreation building at Schiller Park for city. Estimated cost, $40,000. Ray Sims, c/o Ohio State University, Arch. Noted Nov. 18.

Ohio, Dayton—Citizens of Oakwood Township have authorized $50,000 bond issue for school improvements.

Ohio, Eaton—Citizens voted $250,000 bonds for three-story court house. Thies & Thies, Arch., Dayton. Noted Sept. 16.

Ohio, Fremont—(Official)—Bids will be received some time next year for church, Sunday school building and parish house for Grace Lutheran Church. Estimated cost, $100,000. W. E. Tressell, Pastor.

Ohio, Galion—Bonds for $40,000 voted for Children's Home in Crawford County.

Ohio, McCutchenville—Bonds for $40,000 voted by citizens for new school.

Ohio, Marion—J. E. Albert, Cleveland, is interested in the organization of a company for the purpose of building a hospital. Estimated cost, $60,000.

Ohio, Springfield—Plans being prepared by R. F. Gable, Arch., Springfield, for church on Fair St. for Phillips Chapel.

Ohio, Steubenville—J. H. Andrews, New Cumberland, W. Va., is interested in a project to raise $100,000 to finish and equip the Ohio Valley Hospital.

Ohio, Tiltonsville—Bonds for $45,000 voted by citizens for new school.

Ohio, Uhrichsville—Citizens voted $45,000 bonds for new school on Trenton Ave. Noted Nov. 11.

Ohio, Wadsworth—Plans prepared for church for Lutheran congregation. Estimated cost, $60,000.

Ohio, Wapakoneta—Plans being prepared by Roy F. Gable, Arch., Springfield, for church for Presbyterian congregation.

Ohio, West Richfield—Citizens of Richfield Township voted $40,000 bonds for central school on site between East and West Richfield.

Ohio, Youngstown—Citizens of Howland Township voted $40,000 bonds for schools.

Ind., Evansville—Red Men contemplate constructing eight or nine-story building. Estimated cost, $75,000.

Ind., Hammond—Contract will soon be awarded for two-story, 85x183-ft. building for Harry Kavanaugh. A. A. Schwartz, 6 North Clark St., Chicago, Ill., Arch. Noted Nov. 18.

Ind., Indianapolis—Strand Theater Co., 332 South Michigan Ave., Chicago, Ill., leased Lyceum Theater at Indianapolis and will remodel and reconstruct same. Estimated cost, $50,000.

Mich., Detroit—Contract will soon be awarded for building theater, store and office building on Grayiot Ave. for Boulevard Theater Co. C. Howard Crane, 2323 Dime Bank Bldg., Arch.

Mich., Grand Rapids—Contract will soon be awarded for three-story, 125x150-ft. church for Wealthy Street Baptist congregation. Estimated cost, $75,000.

Ill., Chicago—Y. W. C. A. plans to build a new building at Ashland Ave. and Monroe St. Estimated cost, $65,000.

Ill., Freeport—State Bank of Freeport plans to build six-story bank and office building.

Ill., Homer—Township School Trustees contemplate high school. Estimated cost, $40,000.

Ill., Joliet—Plans prepared by H. E. Hewitt, Peoria, for Eastern Ave. school. Estimated cost, $40,000.

Ill., Peoria—Peoria Labor Temple Association, recently incorporated, plans to build a temple for labor organizations of city. Estimated cost, $50,000.

Ill., Sidney—Construction of high school contemplated by Township Board of Education. Estimated cost, $40,000.

Wis., Madison—Students of University of Wisconsin contemplate using endowment of about $350,000 of J. Stephens Tripp of Prairie du Sac for clubhouse.

Iowa, Des Moines—Scottish Rite Masons will build 132x180-ft. cathedral at 14th and West Hight St. Estimated cost, $300,000. William Koch, Pres. Bldg. Com., 2809 Cottage Ave.

Iowa, Des Moines—Valley National Bank contemplates building 15-story office building at Fourth and Walnut St.

Iowa, Washington—Construction of new building contemplated by Washington Telephone Co. Estimated cost, $50,000

Iowa, Waterloo—Election will be held Dec. 12 to vote on $250,000 bonds for high school building for Board of Education of District of East Waterloo.

Minn., Albert Lea—Plans being prepared for six-story hotel for Commercial Club.

Minn., Duluth—Plans being prepared by Kelly & Williams, Arch., Duluth, for three-story, 160x200-ft. high school building. Estimated cost, $105,000.

Minn., Hibbing—John A. Healy, owner of Hibbing Hotel, recently destroyed by fire, will organize a company for purpose of building hotel. Estimated cost, $100,000.

Minn., Hibbing—City will build court house. Estimated cost, $100,000.

Minn., Northfield—Trustees of Carlton College plan to build mens dormitory. Estimated cost, $110,000.

Minn., Northfield—Plans being prepared for chemistry building at Northfield. Estimated cost, $80,000.

Minn., St. Paul—Plans being prepared by F. H. Ellerbe, Endicott Bldg., St. Paul, for three hospitals.

Kan., Neodesha—Plans being prepared for two-story, 426x526-ft. office building for Standard Oil Co. C. A. Henderson, Coffeyville, Arch.

Kan., Topeka—R. Marks, Des Moines, Iowa, plans to build department store building at Eighth and Kansas Ave.

Neb., David City—Bonds for $60,000 voted for high school.

S. D., Mitchell—Plans being prepared for building for Mitchell Trust Co. Estimated cost, $65,000. M. F. Patton, interested.

S. D., Webster—Plans being prepared by Holmes & Flinn, Arch., 8 South Dearborn St., Chicago, Ill., for high school. Estimated cost, $60,000.

Mont., Butte—A three-story business building will be constructed by B. K. Wheeler, U. S. District Attorney. Estimated cost, $50,000.

Mo., St. Louis—An addition of five stories will be built to the Shubert Theatre at 12th and Locust St. Estimated cost, $250,000.

Mo., Springfield—Y. W. C. A. will build three-story, brick building. Estimated cost, $75,000. Harry Cooper, 297 East Water St., Chn. Bldg. Com.

Tex., Austin—Plans for new hospital at Agricultural and Mechanical College have been submitted to State Inspector of Masonry. Estimated cost, $50,000.

Tex., Brownsville—Election will be held Dec. 11 to vote on $100,000 bonds for purchasing site and building high and ward schools for Brownsville Industrial School District.

Tex., El Paso—Plans being prepared by Trost & Trost, Arch., Mills Bldg., for new temple at Montana and Oregon St. to be known as Temple Mt. Sinai. Estimated cost, $50,000.

Tex., El Paso—Plans being prepared by Trost & Trost, Mills Bldg., for addition to Everybody's Dry Goods Store, Inc. Estimated cost, $100,000.

Tex., Port Arthur—Plans prepared by W. R. Burk, Arch., New Orleans, La., for five-story, brick and concrete store and office building for A. G. Wutky.

Okla., Oklahoma—Bids will be received by M. Cornelius, Clk., Bd. of Oklahoma County Commissioners, until 10 a.m., Dec. 6, for school.

Okla., Tulsa—Kinney, Kingsbury & Tingley, 415 First National Bank Bldg., contemplates building eight-story, 50x100-ft. reinforced-concrete building. Estimated cost, $125,000.

Colo., Denver—Press reports state that Loyal Order of Moose will build sanitarium near Denver. Estimated cost, $2,000,000.

Colo., Denver—School Board has acquired a site at 29th and Dexter St. on which it plans to build the proposed Park Hill school.

Colo., Swink—City purchased site and will build city hall. Estimated cost, $40,000.

Ariz., Solomonville—Bids will be received until 2 p.m., Dec. 6, by Supervisors of Graham County for two-story court house and jail. Estimated cost, $44,000. B. Blake ,Clk.

Wash., Seattle—Bids will be received by Board of Seattle Commissioners until Dec. 8 for superstructure of Spokane Ave. freight shed. Estimated cost, $60,000.

Calif., Palo Alto—Joseph Larkin plans to build a hotel at an estimated cost of $80,000.

Calif., Redding—Plans prepared for school at Pine and Larkin St. Estimated cost, $82,000.

Calif., Santa Barbara—Plans being prepared for two-story, 125x125-ft. Carnegie Library building. Estimated cost, $50,000. Francis W. Wilson, Arch., Santa Barbara.

Ont., Ingersoll—Election will soon be held to vote on $70,000 bonds for school. W. R. Smith, Clk.

Ont., Sarnia—Plans being prepared for school for Middle Ward. Estimated cost, $50,000.

Ont., Toronto—Sons of Canada contemplate building club house. Estimated cost, $50,000.

Bids In and Contracts Awarded

Mass., Agawam—All bids received Nov. 15 for brick training school rejected as too high. Estimated cost, $100,000. Noted Oct. 21.

Mass., Boston—(Roxbury)—Contract for addition to High School of Practical Arts, Greenville and Winthrop St. awarded to J. J. FLYNN, 319 Washington St., Boston, at $56,756. Noted Nov. 18.

Mass., Danvers—Lowest bids received Nov. 5 for brick building for Independent Agricultural School were as follows: L. A. McAllon, North Andover, $64,400; John A. Driscoll, North Andover, $69,450. Noted Oct. 28.

Mass., North Adams—All bids received Nov. 17 by E. C. and G. C. Gardner, Arch., Springfield, Mass., for three-story, 100x270-ft. brick high school rejected as being too high. Estimated cost, $125,000. Noted Nov. 11.

Mass., Springfield—Contract for church at State and Orleans St. for Christ Scientist Church awarded to FRED T. LEY & CO. Estimated cost, $100,000.

R. I., Providence—Contract for church for St. Charles Barromeo Church awarded to P. J. TRETTIER, East Providence. Estimated cost, $60,000.

N. J., Elizabeth—Contract for El Mora School awarded to P. B. POLHEMUS, Roselle, N. J. Estimated cost, $60,000. Noted Nov. 11.

N. J., Jersey City—Contract for new home for Sisters of Charity of Providence to be known as St. Ann's Home for Aged awarded to D. W. McGEE CONSTRUCTION CO., INC., at $94,065.

Penn., Philadelphia—Contract for 15-story office building at 16th and Walnut St. awarded to STACEY, REEVES & SONS. Estimated cost, $400,000.

Penn., Philadelphia—Contract for two-story, 62x120-ft. parochial school and chapel at 62d and Cedar St. for St. Carthage Church awarded to JOHN McSHAIN, 1610 North St., Philadelphia. Estimated cost, $40,000.

Penn., Pittsburgh—Ceneral contract for five-story, 84x114-ft. building for First U. P. Church awarded to ROSE & FISHER. Noted Nov. 11.

D. C., Washington—Contract for office building at 901 Massachusetts Ave. for American Federation of Labor awarded to R. P. WHITBY CO. Estimated cost, $90,000.

S. C., Columbia—General contract for high school awarded to GEORGE W. WARING, Columbia, at $97,979.

Ky., Louisville—ALFRED STRUCK CO., Louisville, at about $45,000, awarded contract for new building for Western Union Telegraph Co.

Ohio, Akron—INDIANA ENGINEERING AND CONSTRUCTION CO., Ft. Wayne, awarded contract for business block. Estimated cost, $80,000.

Ohio, Canton—ROBERT H. EVANS & CO., Columbus, at $408,443, awarded contract for high school. Noted Oct. 14.

Ohio, Columbus—(Official)—Dawson Construction Co., May Bldg., Pittsburgh, Penn., at $40,000, submitted lowest bid for homeopathic hospital at Ohio State University. Noted Nov. 11.

Ohio, Dayton—Contract for two-story addition to Steele High School awarded to STRUCTURAL CONCRETE CO., Dayton, at $62,000. Noted Sept. 30.

Ind., Evansville—Bids were received Oct. 31 for coliseum for county as follows: H. W. Klausman, Indianapolis, $123,660; W. M. Sutherland, St. Louis, $123,889; A. W. Stallman, Champaign, Ill., Mo., $124,779. Noted Oct. 14.

Ind., Marion—(Official)—All bids received Nov. 11 for high school rejected. Estimated cost, $150,000. Noted Sept. 16.

Ill., Chicago—Bids received by Board of Education for three-story assembly hall addition to Beaubien School from Franzen Construction Co., $8,978; Gage Structural Steel Co., $11,529; Bolters Sons, $10,239, structural steel; B. J. Regnall Co., $7,984; Hauson Bros., $7,288; H. Schrick, $8,060, carpentry; H. Schrick, $19,537; F. A. Siebold, $18,483; S. N. Neilson, $18,858, masonry; Frust & Fanning, $7,449; A. G. Ward, $7,800; James A. Hagen, $7,980, stone. Noted Nov. 18.

Ill., Chicago—Bids were received Nov. 13 for general contract for Chicago Municipal Tuberculosis Hospital as follows: Thomas G. Gage Co., $65,000; William Adams Co., $68,975; H. Ellenberger & Co., $78,459.

Ill., Danville—Contract for four-story, 75x150-ft. building for Masonic Lodge awarded to YEAGER & SON, Danville. Estimated cost, $150,000.

Wis., Sheboygan—Contract for city hall awarded to IMMEL CONSTRUCTION CO., Fond du Lac. Estimated cost, $99,000.

Iowa, Waterloo—LANITZEN CONSTRUCTION CO., Lafayette Bldg., awarded contract for three-story 48x136-ft. parochial school for Sacred Heart Church congregation. Estimated cost $46,000. Noted Nov. 18.

Minn., Gary—Contract awarded to ALEXANDER ROBERTS, 1606 Minnesota Ave., Duluth, for brick hotel for George A. Pine. Estimated cost, $44,000.

Mo., Jefferson City—Contract for office building awarded to LOGAN CONSTRUCTION CO., Carthage. Estimated cost, $70,000.

Mo., St. Louis—Bids were received Nov. 19 by Board of Public Works for first unit of children's building for City of St. Louis from John Hill Construction Co., St. Louis, $65,747; Murch Bros. Construction Co., St. Louis, $67,200; Gillick Bros., St. Louis, $67,498. Noted Nov. 11.

Tex., El Paso—Contract for courthouse awarded to J. E. MORGAN, El Paso, at $364,971. Noted Oct. 14.

Wash., Spokane—Contract for proposed office building at Riverside Ave. and Stevens St. awarded to HURLEY-MASON CO., Spokane. Estimated cost, $125,000.

Calif., Los Angeles—Contract for eight-story, reinforced-concrete office building at Los Angeles and Sixth St. awarded to WEYMOUTH CROWELL, 2026 West Ninth St., Los Angeles.

The American Society of Civil Engineers will draft a federal law to eliminate existing disputes and open the way for a $50,000,000 project on the Columbia River in Oregon for the manufacture of nitrates to be used in the manufacture of explosives.

CATSKILL AQUEDUCT, NEW YORK, N. Y.

Contract 166

Bids were received by the Board of Water Supply, Oct. 19, for Contract 166, constructing two galvanized-steel covered superstructures for drainage chambers at shafts 11 and 21 of the tunnel of the Catskill Aqueduct from (A) NORTHEASTERN CONSTRUCTION CO., 225 Fifth Ave., New York (awarded contract); (B) Louis Wechsler, 1133 Broadway, New York; (C) Levering & Garrigues Co., 552 West 23d St., New York; (D) A. L. Guldone & Son, Inc., 161 East 23d St., New York; (E) Simon Russek, Inc., 261 Broadway, New York; (F) William H. Egan, 147 East 25th St., New York; (G) H. C. Stowe Construction Co., 221 Greenpoint Ave., Brooklyn; (H) James MacArthur Co., 22 Ormond Pl., Brooklyn; (I) Snare & Triest Co., 233 Broadway, New York; (J) Post & McCord, 101 Park Ave., New York; (K) Vulcan Rail and Construction Co., 35 Meserole Ave., Brooklyn; (L) Marble Arch Co., 216th St. and Broadway, New York. The item bids were as follows:

	A	B	C	D	E	F	G	H	I	J	K	L
460,000 lb. structural steel	$0.03325	$0.035	$0.0377	$0.03951	$0.039	$0.0375	$0.0365	$0.043	$0.04	$0.04	$0.0455	$0.04
24,000 lb. galvanized sheet steel and miscellaneous iron and steel	.114	.155	.102	.09	.11	.1675	.154	.08	.14	.17	.1325	.15
20 M. ft. b.m. timber and lumber	63.60	46.00	54.00	75.00	63.00	58.00	55.00	55.00	70.00	46.00	97.00	60.00
4,000 sq.ft. roofing	.03	.05	.036	035	.03	.04	.055	.08	.07	.24	.0425	.04
Doors and windows in building at shaft 11 (lump sum)	788.50	1,150.00	805.00	784.00	1,130.00	1,539.00	1,200.00	1,800.00	1,500.00	1,956.00	960.00	2,500.00
Doors and windows in building at shaft 21 (lump sum)	660.16	950.00	720.00	869.00	1,020.00	1,339.00	1,000.00	1,767.00	1,400.00	2,016.00	810.00	2,200.00
17-ton electrically-operated crane in building at shaft 11 (lumps um)	4,200.00	3,075.00	3,830.00	3,458.00	3,170.00	3,100.00	4,700.00	2,900.00	3,600.00	3,073.00	4,800.00	4,500.00
18-ton hand-crane in building at shaft 21 (lump sum)	2,184.00	1,650.00	1,940.00	1,662.00	1,460.00	1,500.00	1,700.00	1,450.00	2,850.00	1,597.00	1,900.00	2,500.00
20 cu.yd. concrete masonry	15.60	20.00	15.70	9.50	25.00	28.00	18.00	15.00	25.00	22.90	17.00	20.00
Extended totals	$27,567	$28,165	$28,623	$28,937	$29,240	$30,628	$30,766	$31,337	$33,290	$33,460	$35,030	$35,460

Brown & Clarkson, Washington, D. C., has moved its office from the Star Bldg. to the Oxford Bldg., 14th and New York Ave. Both members of this firm were for a number of years with the U. S. Geological Survey; the firm is specializing in topographic mapping and precise surveys of all kinds. It did the topographic mapping of the Cincinnati Topographic Survey, covering an area of 100 sq. miles, for the Department of Sewerage Investigation, City of Cincinnati, Ohio.

Burns & McDonnell, Consulting Engineer, has moved its offices from the Scarritt Bldg. to Suite 400, Interstate Bldg., Kansas City, Mo.

E. M. Hagar, former president of the Universal Portland Cement Co., declined W. E. Corey's invitation to join the Midvale Steel and Ordnance Co.'s official staff, because he prefers to devote his whole attention to his new $20,000,000 cement merger, called Hagar Portland Cement Co., although his plans have been temporarily delayed on advice of financial backers awaiting more favorable conditions for new merger enterprises.

Industrial Works, Bay City, Mich., has established an office in the Widener Bldg., Philadelphia, Penn. Information can be obtained from its Philadelphia office regarding wrecking and freight-handling cranes, pile drivers, locomotives, etc.

Capital to the Amount of $50,000,000 may be attracted to Alabama for the purpose of building a plant to generate nitrogen, providing the permission of the government is secured for the construction of two more dams on the Coosa River.

CATALOG NOTICES

The Hydraulic Pressed Steel Co., Cleveland, Ohio. Catalog. "Hydraulic" pressed steel forms for concrete construction. Illustrated, 96 pp., 5x8 in.

B. F. Sturtevant Co., Hyde Park, Boston, Mass. Bulletin No. 221. Electric fans. Illustrated, 24 pp., 6½x9 in.

A. M. Byers Co., Pittsburgh, Penn. Bulletin No. 26. Wrought iron pipe. Illustrated, 24 pp., 8½x11 in.

Asbestos Protected Metal Co., Pittsburgh, Penn. Bulletin No. 56. "Waugh" grazing construction. Illustrated, 20 pp., 8x10½ in.

Ingersoll-Rand Co., 11 Broadway, New York. Catalog No. 76. "Water Lifted By Compressed Air." Illustrated, 80 pp., 6x9 in. Form No. 9201. Calyx core drills. Illustrated, 128 pp., 6x9 in.

General Electric Co., Schenectady, N. Y. Bulletin No. 44,005. Line material and rail bonds for mine and industrial haulage. Illustrated, 76 pp., 8x10½ in.

Chicago Pneumatic Tool Co., Fisher Bldg., Chicago, Ill. Booklet No. 213. Simplate flat disc valves. Illustrated, 10 pp., 3½x6 in. Bulletin No. 216. "Hummer" self rotating hammer drills. Illustrated, 28 pp., 6x9 in.

American Bitumastic Enamels Co., 17 Battery Pl., New York. Pamphlet. "Recent Achievements in the Prevention of Corrosion." Illustrated, 48 pp., 8x10½ in.

Ball Engine Co., Erie, Penn. Bulletin S-12. Erie revolving shovels. Illustrated, 12 p., 8½x11 in.

CATSKILL AQUEDUCT, NEW YORK, N. Y.

Contract 128

Bids were received by the Board of Water Supply, Oct. 26, for Contract 128, constructing two superstructures for Hill View Intake and Downtake Chambers, in City of Yonkers from (A) William H. Egan, 147 East 125th St., New York; (B) The Marble Arch Co., 216th St. and Broadway, New York; (C) Louis Wechsler, 1133 Broadway, New York; (E) Conners Bros. Co., 64 West 88th St., New York; (F) Frederic W. Burnham, 30 East 42d St., New York; (G) Emerson Building Co., 103 Park Ave., New York; (H) P. F. Kenny Co., 33 Old Broadway, New York. The item bids were as follows:

	A	B	C	D	E	F	G	H
1,000 bbl. gray Portland cement	$1.70	$2.50	$1.70	$1.60	$2.00	$1.75	$1.57	$2.25
250 bbl. white Portland cement	3.20	4.00	3.00	3.00	4.00	4.00	2.90	3.80
Hill View Uptake Chamber superstructure, exclusive of items 1 and 2 (lump sum)	35,353.00	39,000.00	38,100.00	37,254.00	39,300.00	46,750.00	49,000.00	48,000.00
Hill View Downtake Chamber superstructure, exclusive of items 1 and 2 (lump sum)	56,556.00	54,000.00	58,100.00	60,184.00	63,700.00	69,300.00	71,000.00	74,816.00
Extended totals	$94,409	$96,500	$98,650	$99,788	$106,000	$118,800	$122,295	$126,016

STATE HIGHWAYS—CALIFORNIA

Bids were received by the State Highway Commission, Sacramento, Calif., for constructing highways in Sonoma, Placer and Mariposa Counties, from (A) L. F. Gerdetz Co., San Francisco; (B) F. Rolandi, San Francisco; (C) J. A. Marshall, Berkeley; (D) P. H. Hoare, Oakland; (E) A. J. Fairbanks, Willits; (F) Palmer & McBryde, San Francisco; (G) Bauer & Beard, Two Rivers; (H) Bates, Borland & Ayer, Oakland; (I) G. W. Conners, Eureka; (J) Moffett & Mead, San Francisco; (K) Spring Construction Co., Berkeley; (L) W. B. Hunt & Sons, Alameda; (M) O'Brien Bros., Martinez; (N) M. Blumenkranz, Stockton; (O) Forest Paving and Construction Co., Live Oak; (P) Taylor & Berdiner, Willows; (Q) Whitlock & Gorrill, Durham; (R) Twohy Bros. Co., San Francisco; (S) C. H. & A. W. Gorrill, San Francisco; (T) Manuel Jacinto, Sacramento; (U) George R. Daley, San Diego; (V) Toohey & Johnson, Dunsmuir; (W) J. F. Fitzpatrick, Red Bluff; (X) W. J. Schmidt, Berkeley; (Y) George S. Benson & Sons, Los Angeles; (Z) Occidental Construction Co., Los Angeles; (Z-1) Engineer's estimate. The item bids were as follows:

Sonoma County	A	B	C	D	E	F	G	H	I	J	K	L	M	(Z-1)
43,500 cu.yd. excavation unclassified	$0.55	$0.59	$0.42	$0.43	$0.50	$0.48	$0.485	$0.38	$0.52	$0.42	$0.365	$0.54	$0.48	$0.50
14 M b.m. Oregon pine lumber in place	40.00	40.00	35.00	34.00	30.00	30.00	28.00	32.00	50.00	40.00	42.50	18.00	40.00	30.00
19 M b.m. Redwood lumber in place	45.00	50.00	40.00	39.00	32.00	35.00	32.50	40.00	50.00	45.00	48.20	18.00	40.00	32.50
266 lin.ft. 12-in. corrugated metal pipe	.75	.50	.60	.30	.50	.50	.55	.50	.50	.50	.53	.60	.60	.50
120 lin.ft. 15-in. corrugated metal pipe	1.00	.60	.80	.30	.60	.60	.60	.50	.55	.60	.65	.70	60	.60
194 lin.ft. 18-in. corrugated metal pipe	1.20	.70	.90	.40	.80	.70	.70	.60	.60	.70	.75	.80	1.00	.70
442 lin.ft. 24-in. corrugated metal pipe	1.25	.80	1.00	.65	1.00	.80	.80	.75	.65	.90	1.10	1.10	1.25	.80
264 lin.ft. 30-in. corrugated metal pipe	1.50	1.00	1.00	.75	1.25	1.00	.80	.75	.75	1.00	1.30	1.30	1.50	1.10
1,200 lin.ft. 4-in. tile drain	.40	.30	.50	.25	.25	.15	.35	.10	.35	.20	.30	.65	.15	.25
185 cu.yd. concrete, Class B, culverts and monuments	15.00	20.00	16.00	12.50	8.00	13.00	14.50	10.00	10.00	14.00	10.00	15.00	11.00	10.00
2,400 lin.ft. moving and resetting property fences	.15	.10	.05	.05	.04	.05	.025	.04	.05	.04	.10	.07	.06	.06
4,200 lin.ft. board and wire new property fences	.15	.10	.05	.03	.04	.04	.035	.04	.04	.05	.05	.05	.06	.036
32,400 lin.ft. woven wire new property fences	.15	.09	.05	.04	.05	.04	.04	.04	.045	.06	.045	.05	.06	.045
76 monuments	1.00	1.00	1.00	1.50	1.00	1.10	1.25	1.00	1.00	1.00	2.00	.50	1.00	.50
Extended totals	$36,022	$35,845	$26,242	$24,869	$27,650	$27,176	$27,727	$22,183	$29,163	$25,408	$22,852	$30,903	$28,205	$31,870

Mariposa County	B	I	U	V	W	X	Y	Z	(Z-1)
53,000 cu.yd. excavation	$0.62	$0.58	$0.38	$0.40	$0.60	$0.55	$0.74	$0.75	$0.45
1,700 cu.yd. excavation, solid rock	1.10	1.00	1.50	.90	1.20	1.90	.74	1.50	1.00
1,024 lin.ft. 12-in. corrugated metal pipe	.50	.50	.80	.60	.60	.60	.90	.50	1.00
156 lin.ft. 18-in. corrugated metal pipe	.60	.50	.90	.70	.75	.85	.90	.70	1.00
406 lin.ft. 24-in. corrugated metal pipe	.80	.60	1.00	.80	.90	1.00	1.00	.95	1.30
310 lin.ft. 30-in. corrugated metal pipe	1.10	.70	1.25	1.00	1.10	1.25	1.00	1.20	1.75
810 cu.yd. concrete, Class B, culverts and monuments	15.00	15.00	20.00	24.00	17.00	15.00	17.50	17.00	15.00
2,324 lin.ft. guard rail	.35	.40	.75	.60	.40	.50	.80	.50	.40
290 monuments	1.00	1.00	1.25	1.25	2.00	1.00	3.00	1.00	.50
Extended totals	$49,254	$46,860	$45,285	$45,285	$50,557	$47,522	$59,160	$58,900	$47,178

Placer County	A	F	H	N	O	P	Q	R	S	T	(Z-1)
45,000 cu.yd. excavation unclassified	$0.60	$0.60	$0.65	$0.50	$0.60	$0.55	$0.45	$0.42	$0.39	$0.475	$0.45
480 lin.ft. 12-in. corrugated metal pipe	.75	.50	.50	.50	.40	.70	.50	.30	.55	.50	.30
330 lin.ft. 18-in. corrugated metal pipe	1.00	.60	.50	.60	.50	.80	.60	.50	.60	.50	.40
120 lin.ft. 24-in. corrugated metal pipe	1.25	.70	.75	.75	.60	1.00	.70	.60	.70	.50	.50
235 cu.yd. concrete, Class B, culverts and monuments	12.00	12.50	10.00	10.00	10.00	9.50	10.00	9.00	9.00	10.00	9.00
8,760 cu.yd. concrete, Class B, pavement	2.80	3.25	3.50	3.15	2.95	2.70	3.00	2.98	2.98	3.50	2.85
3,120 lin.ft. guard rail	.35	.30	.35	.40	.35	.50	.35	.50	.30	.50	.35
88 monuments	1.00	1.00	1.00	1.00	1.10	1.00	1.00	.60	1.00	2.00	.50
Extended totals	$56,368	$59,953	$63,935	$54,308	$56,809	$53,002	$50,582	$49,113	$47,339	$56,586	$56,123

SEWER—CLINTON, IOWA

Bids were received Sept. 14 for constructing sewers in District No. 2 and 3 from (A) D. E. Keeler, Davenport; (B) A. C. Comstock, Cedar Rapids; (C) Independent Construction Co., Davenport; (D) Illinois Improvement and Ballast Co., Chicago, Ill.; (E) O'Neal & Preston, St. Paul, Minn.; (F) James Kennedy, Fargo, N. D.; (G) Dearborn Construction Co., Waterloo; (H) THOMAS CAREY & SONS, Clinton (awarded contract). The item bids were as follows:

DISTRICT NO. 3—Division A

	A	B	C	D	E	F	G	H
Bulkhead, segment block	$800.00	$1,000.00	$500.00	$610.00	$780.00	$700.00	$500.00	$550.00
Bulkhead, reinforced concrete	800.00	.....	.....	610.00	.....	.....	.....	550.00
1,710 lin.ft. 54-in. segment-block sewer	8.70	9.00	8.25	8.50	8.76	8.40	9.26	8.15
1,710 lin.ft. reinforced-concrete sewer	9.50	.....	.....	9.00	.....	.....	.....	9.00
920 lin. ft. 45-in. segment-block sewer	8.00	9.00	7.30	7.50	7.40	7.60	9.48	7.15
920 lin.ft. 45-in. reinforced-concrete sewer	9.65	.....	.....	8.25	.....	.....	.....	8.20
1,240 lin.ft. 39-in. segment-block sewer	8.00	9.00	7.15	7.50	7.40	7.50	7.50	7.15
1,240 lin.ft. 39-in. reinforced-concrete sewer	9.65	.....	.....	8.25	.....	.....	.....	8.20
1,063 lin.ft. 36-in. segment-block sewer	6.50	8.00	6.25	6.50	7.00	6.40	6.44	6.15
1,063 lin.ft. 36-in. reinforced-concrete sewer	7.89	.....	.....	7.60	.....	.....	.....	7.50
700 lin.ft. 33-in. segment-block sewer	5.00	7.00	5.20	5.50	5.75	5.00	5.49	5.15
700 lin.ft. 36-in. reinforced-concrete sewer	7.40	.....	.....	7.25	.....	.....	.....	7.25
323 lin.ft. 30-in. segment-block sewer	4.75	6.00	4.50	4.50	4.00	4.70	2.88	4.15
323 lin.ft. 30-in. reinforced-concrete sewer	7.20	.....	.....	6.75	.....	.....	.....	6.40
235 cu.yd. rock (track) excavation (segment block)	5.00	10.00	5.00	6.00	6.00	7.00	5.00	5.00
235 cu.yd. rock (track) excavation (reinforced concrete)	5.00	.....	.....	6.00	.....	.....	.....	5.00
4,361 cu.yd. rock excavation (segment block)	4.00	4.00	3.50	4.00	4.00	3.75	4.00	3.50
4,361 cu.yd. rock excavation (reinforced concrete)	4.00	.....	.....	4.00	.....	.....	.....	3.50
15 manholes No. 1 (segment block)	80.00	80.00	75.00	60.00	70.00	80.00	35.00	50.00
15 manholes No. 2 (reinforced concrete)	80.00	.....	.....	60.00	.....	.....	.....	50.00
3 manholes No. 2 (segment block)	100.00	100.00	100.00	90.00	95.00	80.00	85.00	75.00
3 manholes No. 2 (reinforced concrete)	100.00	.....	.....	90.00	.....	.....	.....	75.00
28 catch basins (segment block)	35.00	35.00	35.00	40.00	42.00	32.00	35.00	35.00
28 catch basins (reinforced concrete)	35.00	.....	.....	40.00	.....	.....	.....	35.00
420 lin.ft. catch-basin connections (segment block)	.50	.40	.55	.60	.60	.53	.50	.50
420 lin.ft. catch-basin connections (reinforced concrete)	.50	.....	.....	.60	.....	.....	.....	.50

Division B

320 lin.ft. 24-in. vitrified sewer pipe	2.30	3.00	2.50	2.75	2.70	2.65	2.50	2.50
320 lin.ft. 24-in. concrete sewer pipe	....	....	....	3.50	....	....	....	3.00
370 lin.ft. 22-in. vitrified sewer pipe	2.00	3.00	2.00	2.00	2.10	1.90	2.15	1.75
370 lin. ft. concrete sewer pipe	....	....	....	3.00	....	....	....	2.40
570 lin.ft. 20-in. vitrified sewer pipe	2.50	3.00	2.10	2.00	2.25	2.00	2.00	2.00
570 lin.ft. 20-in. concrete sewer pipe	....	....	....	3.00	....	....	....	2.40
1,435 lin.ft. 18-in. vitrified sewer pipe	1.40	2.50	1.45	1.50	1.65	1.30	1.60	1.30
1,435 lin.ft. 18-n. concrete sewer pipe	....	....	....	2.00	....	....	....	1.65
3,364 lin.ft. 15-in. vitrified sewer pipe	1.35	1.50	1.30	1.40	1.33	1.25	1.35	1.25
3,364 lin.ft. 15-in. concrete sewer pipe	....	....	....	1.50	....	....	....	1.45
3,848 lin.ft. 12-in. vitrified sewer pipe	.90	1.00	.92	.90	.95	.85	.90	.90
3,848 lin.ft. 12-in. concrete sewer pipe	....	....	....	1.25	....	....	....	1.20
5,279 lin.ft. 10-in. vitrified sewer pipe	.83	.90	.75	.80	.85	.78	.75	.67
5,279 lin.ft. 10-in. concrete sewer pipe	....	....	....	1.00	....	....	....	.90
1,670 lin.ft. 8-in. vitrified sewer pipe	.55	.70	.58	.60	.67	.59	.60	.60
1,670 lin.ft. 8-in. concrete sewer pipe	....	....	....	.75	....	....	....	.75
2,091 cu.yd. rock excavation (vitrified)	4.00	4.00	3.50	4.00	4.00	3.75	4.00	3.50
2,091 cu.yd. rock excavation (concrete)	....	....	....	4.00	....	....	....	3 50
46 manholes No. 1 (vitrified)	40.00	40.00	38.00	40.00	42.00	37.00	35.00	35.00
46 manholes No. 1 (concrete)	....	....	....	40.00	....	....	....	35.00
104 catch basins (vitrified)	35.00	35.00	35.00	40.00	42.00	32.50	35.00	35.00
104 catch basins (concrete)	....	....	....	40.00	....	....	....	35.00
1,560 lin.ft. catch-basin connections (vitrified)	.50	.40	.55	.60	.60	.53	.50	.50
1,560 lin.ft. catch-basin connections (concrete)	....	....	....	.60	....	....	....	.50
Extended totals for segment-block sewer	$66,209.00	$73,614.00	$63,797.00	$64,954.00	$66,118.00	$63,734.00	$66,564.00	$60,016.00
Extended totals for reinforced-concrete sewer	75,233.00	.....	.....	70,499.00	.....	.....	.....	67,370.00
Extended totals for vitrified sewer	32,838.00	36,509.00	31,253.00	33,610.00	34,627.00	31,134.00	32,391.00	30,008.00
Extended totals for concrete sewer	....	.....	.....	38,397.00	.....	.....	.....	34,431.00

DISTRICT NO. 2

	A	B	C	D	E	F	G	H
Bulkhead (vitrified)	$350.00	$500.00	$360.00	$410.00	$275.00	$375.00	$500.00	$300.00
Bulkhead (concrete)	....	.....	.....	410.00	.....	.....	.....	300.00
675 lin.ft. 33-in. vitrified sewer pipe	6.00	8.00	6.30	6.50	6.25	6.25	5.00	6.00
675 lin.ft. 33-in. concrete sewer pipe	....	.....	.....	8.00	.....	.....	.....	8.00
300 lin.ft. 33-in. D.S. track (vitrified)	8.00	10.00	7.50	6.50	8.50	7.25	6.00	6.00
300 lin.ft. 33-in. D.S track (concrete)	....	.....	.....	9.00	.....	.....	.....	8.00
592 lin.ft. 30-in. vitrified sewer pipe	4.70	6.00	4.20	4.50	4.40	4.60	4.80	4.10
592 lin.ft. 30-in. concrete sewer pipe	....	.....	.....	9.50	.....	.....	.....	6.25
674 lin.ft. 28-in. vitrified sewer pipe	3.80	6.00	3.75	4.00	4.20	3.90	4.60	3 60
674 lin.ft. 28-in. concrete sewer pipe	....	.....	.....	5.50	.....	.....	.....	5.00
345 lin.ft. 27-in. vitrified sewer pipe	3.30	5.00	3.20	3.50	4.00	3.40	4.40	3.10
345 lin.ft. 27-in. concrete sewer pipe	....	.....	.....	5.50	.....	.....	.....	5.00
195 lin.ft. 22-in. vitrified sewer pipe	3.45	4.50	3.20	3.50	3.75	3.25	2.19	3.10
195 lin.ft. 22-in. concrete sewer pipe	....	.....	.....	3.80	.....	.....	.....	3.80
480 lin.ft. 20-in. vitrified sewer pipe	2.60	3.50	2.25	2.50	2.75	2.15	2.00	2.10
480 lin.ft. 20-in. concrete sewer pipe	....	.....	.....	2.75	.....	.....	.....	2.60
1,030 lin.ft. 15-in. vitrified sewer pipe	1.65	2.00	1.40	1.50	1.55	1.40	1.35	1.35
1,030 lin.ft. 15-in. concrete sewer pipe	....	.....	.....	1.75	.....	.....	.....	1.65
1,295 lin.ft. 12-in.vitrified sewer pipe	1.05	1.05	.90	.85	1.10	1.05	.90	.85
1,295 lin.ft. 12-in. concrete sewer pipe	....	.....	.....	1.35	.....	.....	.....	1.35
6,740 lin.ft. 10-in. vitrified sewer pipe	.90	.90	.85	.90	.85	.86	.80	.80
6,740 lin.ft. 10-in. concrete sewer pipe	....	.....	.....	1.10	.....	.....	.....	1.05
150 lin.ft. 8-in. vitrified sewer pipe	.55	.55	.55	.60	.50	.50	.60	.50
150 lin.ft. 8-in. concrete sewer pipe	....	.....	.....	.60	.....	.....	.....	.70
40 manholes (vitrified)	40.00	40.00	38.00	40.00	42.00	37.00	35.00	35.00
40 manholes (concrete)	....	.....	.....	40.00	.....	.....	.....	35.00
68 catch basins (vitrified)	35.00	35.00	35.00	40.00	42.00	32.00	35.00	35.00
68 catch basins (concrete)	....	.....	.....	40.00	.....	.....	.....	35.00
1,020 catch-basin connections (vitrified)	.50	.40	.55	.60	.60	.53	.50	.50
1,020 catch-basin connections (concrete)	....	.....	.....	.60	.....	.....	.....	.50
81 cu.yd. rock (track) excavation (vitrified)	5.00	10.00	5.00	4.50	4.50	7.00	5.00	5.00
81 cu.yd. rock (track) excavation (concrete)	....	.....	.....	4.50	.....	.....	.....	5.00
2,948 cu.yd. rock excavation (vitrified)	4.00	4.00	3.50	4.00	4.00	3.75	4.00	3.40
2,498 cu.yd. rock excavation (concrete)	....	.....	.....	4.00	.....	.....	.....	3.40
Extended totals for vitrified sewer	$39,321.00	$45,536.00	$36,712.00	$39,287.00	$40,070.00	$37,774.00	$37,247.00	$34,831.00
Extended totals for concrete sewer	....	.....	.....	43,144.00	.....	.....	.....	42,671.00

CONTRACT PRICE

ELEVATED RAILWAY WORK, PHILADELPHIA, PENN.

Bids were received by the Department of City Transit, Oct. 19, for constructing the steel superstructure of elevated railway work in Front St. from Callowhill St. to South of Girard Ave., Contract No. 511, from (A) McClintic-Marshall Co., Philadelphia; (B) Pennsylvania Steel Co., Steelton; (C) Conners Bros. Co., New York, N. Y.; (D) E. E. Smith Contracting Co., New York, N. Y. The item bids were as follows:

	A	B	C	D
Whole work as shown on plans, proposed line (lump sum)	$249,000.00	$265,940.00	$283,000.00	$282,665.00
Whole work as shown on plans, alternate line (lump sum)	261,400.00	279,500.00	304,000.00	304,465.00
10,000 lb. riveted steel girders	.0315	.033	.04	.0425
10,000 lb. rolled steel beams	.029	.028	.04	.0425
10,000 lb. steel columns	.04	.042	.04	.0425
10,000 lb. steel rods	.04	.0405	.035	.03
10,000 lb. iron castings	.025	.03	.05	.04
100 cu.yd. excavation	1.25	1.10	2.00	2.00
100 cu.yd. concrete	10.00	11.80	7.50	8.00
100 sq.yd. asphalt paving	4.50	3.00	3.00	2.50
100 sq.yd. new granite block paving	4.50	4.50	3.50	4.00
100 sq.yd. new vitrified block paving	4.50	3.75	3.00	3.00
100 sq.yd. new wood block paving	4.50	4.00	3.50	4.00
100 sq.yd. granite, wood or vitrified block repaving, concrete base	2.25	2.50	2.25	4.00
100 sq.yd. granite, wood or vitrified block repaving, gravel base	2.00	1.50	1.50	3.00
100 sq.yd. granolithic sidewalk paving	1.50	2.00	1.50	2.00
100 sq.yd. flagstone sidewalk repaving	.75	.50	1.00	3.00
100 sq.yd. brick sidewalk paving	1.00	1.10	3.00	2.00
100 lin.ft. 6-in. straight granite curb	1.00	1.25	3.25	1.50
100 lin.ft. 8-in. straight granite curb	1.20	1.50	3.50	2.50
100 lin.ft. 6-in. or 8-in. curved granite curb	2.25	2.00	4.00	3.00
100 lin.ft. granolithic curb	.55	.60	.80	1.00
100 lin.ft. resetting stone curb	.50	.50	.30	.60
1,000 ft. b.m. yellow pine lumber	55.00	60.00	65.00	40.00
10,000 dollars force account (per cent. added)	12½%	20%	10%	15%
Extended totals of bid, proposed line	$256,185	$273,895	$290,475	$290,790
Extended totals of bid, alternate line	268,585	287,455	311,475	312,590

Sand and Gravel Production in the United States for the year 1914 has just been reported in a bulletin by G. F. Loughlin, of the United States Geological Survey. The following table shows the total production of sand and gravel, including glass sand, from 1904 to 1914:

Year	Quantity Short Tons	Value	Year	Quantity Short Tons	Value
1904	10,679,728	$5,748,099	1910	69,410,436	$21,037,630
1905	23,204,967	11,223,645	1911	66,846,959	21,158,583
1906	32,932,002	12,698,208	1912	68,354,561	23,113,208
1907	41,851,918	14,492,069	1913	79,555,849	24,217,508
1908	37,216,044	13,270,032	1914	79,281,735	23,846,999
1909	59,565,551	18,336,990			

More complete returns account principally for the large apparent increase during recent years as compared with 1904. Sand for building purposes constituted, as in previous years, more than one-half of the total sand production. The production in 1914 was 24,003,962 short tons, valued at $7,688,774. This was a decrease of 1,393,421 tons, or 5.4% in quantity and of $319,275, or 3.9%, in value from the production of 1913. The average price per ton, which increased from 31c. in 1911 to 33½c. in 1912 and decreased to 31½c. in 1913, increased to 32c. in 1914. Paving-sand production increased slightly in both quantity and value from 3,335,508 tons, valued at $1,020,389, in 1913 to 3,580,171 tons, valued at $1,121,999, in 1914. The production of gravel in 1914 exceeded that of building sand by more than 15,000,000 tons, an excess which was 2,000,000 tons more than that in 1913. The total production of gravel in 1914 was $39,212,858 tons, valued at $9,398,897, an increase in quantity of 689,360 tons and in value of $556,086 over the production of 1913. These figures show an average cost ton of nearly 25c., as compared with slightly less than 23c. in 1913 and about 26c. in 1912. The entire report of the production of sand and gravel is necessarily incomplete, because it is impracticable to attempt to get reports or to estimate the quantity of sand produced by the thousands of individuals who each year dig a small quantity for their own use.

On Nov. 12 and 13 the sales engineers of the Blaw Steel Construction Co. held their annual convention in Pittsburgh, Penn. The men met Friday morning at the works at Hoboken, Penn., and made an inspection of the plant. A number of new devices were shown and the men were entertained at luncheon in the dining room of the Blaw plant. In the evening a banquet was held at the Concordia Club, where 63 men assembled. A feature was a play in which various members of the Blaw Organization were imitated. This was along the lines of the annual meeting of the Gridiron Club in Washington. Following this, the Convention reconvened for serious work on Saturday. Some very interesting tests were made of the workings of the various Blaw products. The Blaw Steel Construction Co. is a designer and builder of steel forms for every type of concrete construction.

The Department of Commerce in a recent report issued the following, giving details showing the value of merchandise imported from and exported to each of the principal countries during August and the eight months ended with August 1915, compared with corresponding periods of the preceding year.

Imports from:	Month of August 1914	Month of August 1915	8 Months Ended with August 1914	8 Months Ended with August 1915
Grand Divisions—				
Europe	$50,620,866	$38,142,368	$565,147,023	$351,389,547
North America	39,217,253	46,104,723	309,480,732	354,997,501
South America	15,095,782	22,280,972	157,448,040	199,449,175
Asia	20,629,273	31,438,884	190,907,276	184,017,968
Oceania	3,514,573	2,440,359	32,327,846	38,662,981
Africa	690,143	1,396,896	15,050,346	22,941,588
Total	$129,767,890	$141,804,202	$1,270,361,263	$1,150,858,760
Principal Countries—				
Austria-Hungary	$880,506	$113,061	$12,802,157	$4,540,168
Belgium	2,329,145	76,368	28,184,693	1,771,434
France	6,902,603	7,538,826	77,309,772	46,994,257
Germany	9,400,043	725,244	119,887,898	36,819,943
Italy	3,445,825	2,694,413	36,987,465	34,496,134
Netherlands	3,446,031	1,831,813	24,418,125	17,271,961
Norway	1,071,991	659,771	6,714,829	4,617,563
Russia in Europe	740,766	440,124	12,096,202	912,373
Sweden	614,322	1,158,911	7,240,898	7,504,829
United Kingdom	17,872,280	18,535,932	194,708,846	161,737,848
Canada	15,550,650	15,853,723	105,590,085	101,360,082
Mexico	6,154,189	8,638,928	61,511,188	58,846,452
Cuba	14,524,219	17,411,854	111,633,962	156,175,825
Argentina	4,173,415	6,214,692	40,751,672	61,253,369
Brazil	5,094,398	5,998,404	62,633,412	66,557,308
China	2,482,149	4,515,138	25,465,870	32,320,521
India, British	4,403,791	7,358,316	52,794,013	42,735,203
Japan	10,068,124	10,063,178	68,737,653	62,752,966
Australia	751,888	978,611	14,270,660	21,996,923
Exports to:				
Grand Divisions—				
Europe	$48,875,232	$172,495,744	$783,921,580	$1,634,693,475
North America	47,670,215	52,072,286	333,212,508	335,937,399
South America	5,312,457	13,450,247	65,403,666	86,595,898
Asia	3,789,548	10,268,041	61,810,908	90,242,210
Oceania	3,306,885	9,269,451	49,936,201	62,005,215
Africa	1,413,157	3,469,181	17,064,793	22,333,868
Total	$110,367,494	$261,024,950	$1,311,349,656	$2,231,808,065
Principal Countries—				
Austria-Hungary	.....	$6,698	$12,798,495	$43,334
Belgium	$432,527	1,490,829	32,696,395	14,057,335
France	7,420,800	28,884,743	76,607,804	333,408,123
Germany	68,737	38,743	156,038,929	11,688,510
Italy	1,169,326	15,511,875	39,296,253	150,151,448
Netherlands	2,524,488	6,744,829	69,672,403	108,702,267
Norway	1,077,259	1,618,414	5,700,859	27,840,068
Russia in Europe	76,681	9,723,520	16,974,084	58,650,085
Sweden	312,723	4,258,322	7,985,212	61,703,580
United Kingdom	32,951,250	93,583,342	331,539,577	574,090,545
Canada	33,494,209	34,766,904	219,988,697	209,192,906
Mexico	2,520,130	3,598,577	22,037,281	25,189,017
Cuba	6,160,892	8,110,947	42,965,089	54,445,981
Argentina	971,129	4,573,089	19,648,581	31,149,868
Brazil	1,604,207	4,055,434	15,973,222	21,077,463
China	603,969	1,838,762	15,945,153	13,642,517
India, British	450,353	1,091,951	6,403,459	9,679,438
Japan	1,694,620	3,088,981	23,825,545	28,677,607
Australia	1,825,453	5,285,223	28,258,622	34,190,998

The Buffalo & Susquehanna Ry. is at last to be scrapped. Failing in a long attempt to find a buyer who would operate this road, the company was finally forced to abandon it and the Buffalo Housewrecking Co. at a bid of $220,000 took over the track and equipment.

The roadway to be abandoned runs from about the center of the village of Wellsville to Blasdell and was the western division of the Buffalo & Susquehanna R.R., which was built to Blasdell from Wellsville about 12 years ago. When financial troubles began, the Buffalo & Susquehanna Ry., the Buffalo-Westville road, was divorced from the Buffalo & Susquehanna R.R.

The coal business of the Buffalo & Susquehanna Ry. was diverted to the Pennsylvania R.R. and brought west by that route because it could be so carried more cheaply. The loss of the coal traffic created a situation whereby the receivers could not make the Buffalo & Susquehanna Ry. meet the cost of operation. The bondholders presented the matter in court about a year ago and obtained an order permitting them to abandon the road.

Citizens of Wellsville and other communities along the line interested themselves in trying to find someone to take and run the railway and were instrumental in having the order for the abandonment of the road extended from month to month, but in the end failed.

The bondholders still retain the right-of-way and a valuable water-front property near the Rogers-Brown steel plant.

Highway Improvements in Minnesota for 1916 will cost over $3,000,000 according to a recent statement of George W. Cooley, Secy. of the Highway Commission. Already the state has distributed $750,000 to the counties to aid in the cost of road building and maintenance, on both state and county roads. By the end of the year this will reach $1,500,000, and at least an equal sum is being expended by counties and villages.

In a recent letter to the state efficiency and economy commission answering its request for suggestions, Mr. Cooley urged a state automobile tax to provide a special fund for road maintenance.

He also recommended continuing the one-mile state tax, and making the state's share of state aid work 50 per cent. He strongly indorsed the present system, and letters from assistants in the department, along the same line, have been filed with the commission.